

MERENTUTKIMUSLAITOKSEN JULKAISU  
HAVSFORSKNINGSINSTITUTETS SKRIFT N:o 193

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THE BALTIC  
CRUISE WITH R/V ARANDA 1958  
HYDROGRAPHICAL DATA

BY  
FOLKE KOROLEFF



HELSINKI 1959 HELSINGFORS

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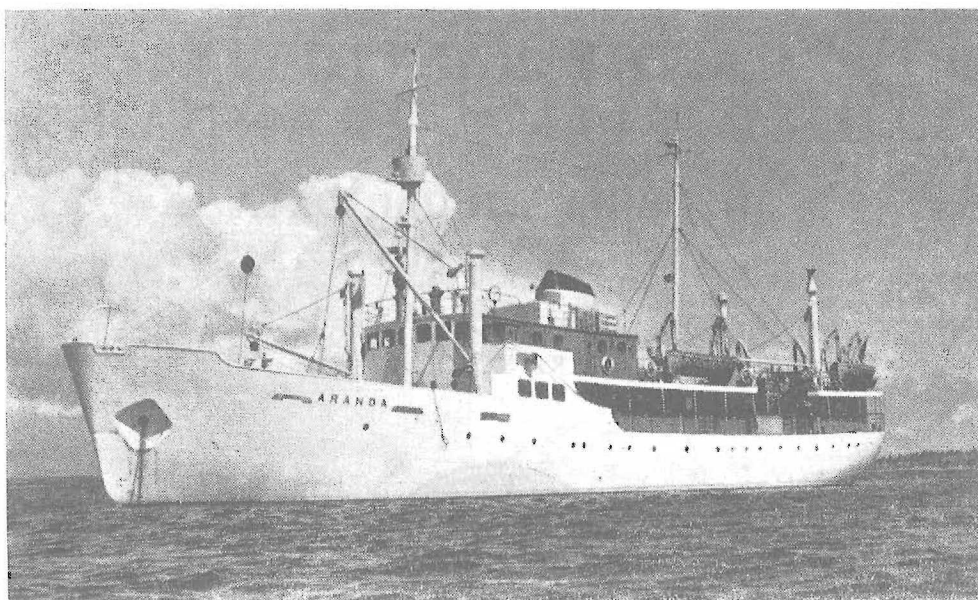
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R/V Aranda

Helsinki 1960. Valtioneuvoston kirjapaino

## The Programme of the Cruise.

A. From 9 to 19 June the fixed stations along the Finnish coast were inspected. At the same time the hydrographic and marine geological program of the Gulf of Bothnia was carried out.

B. From 24 to 27 June current measurements were made in the Northern Baltic with a geomagnetic electrokinetograph (GEK).

C. The July programme consisted of marine geological investigations, comprising stratigraphic and lithologic investigations too. At the end of the month Aranda was mother-ship to a fleet for seismic measurements in the Sea of Bothnia.

D. The first half of August was spent in fisheries research.

E. From 18 to 30 August hydrographic and marine geological investigations were carried out in the Baltic proper and the Gulf of Finland. In the Southern Baltic the work was carried out in cooperation with the R/V Hermann Wattenberg, Kiel.

The hydrographic work was led by prof. *Ilmo Hela*. Chemist-in-chief was *Folke Koroleff*, Ph.D. In charge of the marine geological work was *Heikki Ignatius*, Ph.D. and of the fisheries research *Veikko Sjöblom*, M.Sc. The GEK measurements could be performed thanks to the help of *Claes Rooth*, M.Eng., Institute of Meteorology, University of Stockholm. The expedition on board the Hermann Wattenberg was led by *W. Krauss*, Ph.D.

This publication contains only the hydrographical data of the summer cruise.

## The Tables.

- I. List of the Hydrographic Stations.
- II. Records of the Hydrographic Stations.
- III. Records of Surface Temperature and Salinity.

In the tables the following units were used:

*Depth*: metres

*Temperature*: degrees centigrade

*Salinity*: parts per thousand

*Oxygen*: ml at NTP per litre

*Oxygen Saturation*: The values were calculated using the nomogramme published by Richards and Corwin in *Limnology and Oceanography*, vol. 1, No. 4, 263—67 (1956). This nomogramme is based on the new determinations of the solubility of oxygen reported by Truesdale, Dowling and Lowden (1955).

*Alkalinity*: milliequivalents per litre.

*Time* is given in GMT.



Table I. List of Hydrographic Stations

Symbol of Station	Date	Hour	Page	Symbol of Station	Date	Hour	Page
F 2	VI 15	13.22		F 89	VIII 29	00.30	
F 3	VI 15	11.00		F 90B	VIII 29	07.27	
F 6	VI 15	02.25					
F 7	VI 15	00.30		SF 1	VI 24	08.05	
F 8	VI 14	22.36		SF 2	VI 24	16.47	
F 9	VI 14	20.10		SF 3	VI 25	12.03	
F 10	VI 14	18.09		SF 4	VI 25	14.15	
F 12	VI 14	14.00		SF 5	VI 26	15.57	
F 13	VI 14	10.25					
F 15	VI 14	08.15		"10"	VIII 20	09.02	
F 16	VI 14	03.52		"11"	VIII 20	14.11	
F 17	VI 14	02.10		"12"	VIII 20	18.42	
F 18	VI 13	22.25		"13"	VIII 20	22.19	
F 19	VI 13	20.00		"14"	VIII 21	02.37	
F 21	VI 13	03.20		"15"	VIII 21	06.29	
F 21A	VI 13	01.56		"16"	VIII 21	10.55	
F 22	VI 13	06.31		"16"	VIII 28	10.20	
F 23	VI 13	09.05		"17"	VIII 21	14.28	
F 24	VI 13	12.40		"17"	VIII 23	08.14	
F 25A	VI 13	15.05		"18"	VIII 23	11.25	
F 26	VI 12	20.20		"19"	VIII 23	13.13	
F 26a	VI 12	16.27		"20"	VIII 23	15.02	
F 26g	VI 17	09.35		"21"	VIII 23	17.12	
F 26i	VI 17	12.55		"22"	VIII 23	19.00	
F 26k	VI 17	12.55					
F 26m	VI 17	20.10		"A"	VIII 24	06.17	
F 26o	VI 17	00.15		"A"	VIII 27	19.38	
F 28	VI 18	06.55		"B"	VIII 27	18.44	
F 29	VI 18	09.45		"C"	VIII 24	07.18	
F 30	VI 18	12.50		"C"	VIII 27	17.58	
F 31	VI 18	17.05		"D"	VIII 27	15.47	
F 32	VI 18	20.15		"E"	VIII 24	08.19	
F 33	VI 19	03.25		"E"	VIII 27	14.54	
F 48A	VIII 18	11.10		"F"	VIII 27	14.00	
F 52A	VIII 18	14.40		"G"	VIII 24	09.19	
F 56a	VIII 18	17.05		"G"	VIII 27	13.18	
F 57a	VIII 18	20.00		"H"	VIII 27	12.26	
F 59A	VIII 18	22.55		"I"	VIII 24	10.34	
F 72A	VIII 19	04.00		"I"	VIII 27	11.43	
F 72A	VIII 30	07.30		"J"	VIII 27	11.00	
F 74	VIII 19	09.14		"K"	VIII 24	11.38	
F 76A	VIII 30	00.36		"K"	VIII 27	10.15	
F 78B	VIII 30	17.10		"L"	VIII 24	12.25	
F 79	VIII 19	15.39		"L"	VIII 27	09.27	
F 80	VIII 19	20.06					
F 81	VIII 20	02.07		"Krey"	VIII 28	17.07	

Station	F 26 a	Date	1958 VI 12	Time	1627		
Sonic depth	116 m.	Lat.	61° 35.5' N.	Long.	20° 31' E.		
Wind	SW 3 B.	Weather		Sea	Swell		
Clouds		amount	2 /10.	Wet bulb	4.6 °C		
Remarks				Dry bulb	6.1 °C		
m	t°	S <sub>0</sub> /‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	4.10	6.06	4.88	8.22	10.13	117.7	
5	4.10	6.06	4.88	8.23	10.18	118.2	
10	3.91	6.06	4.88	8.20	10.03	116.4	
15	3.65	6.06	4.88	8.17	9.89	114.1	
20	3.54	6.04	4.86	8.16	9.98	114.7	
30	2.90	6.06	4.89	8.12	10.14	114.7	
40	2.90	6.08	4.90	8.05	9.83	111.2	
50	3.09	6.09	4.92	8.11	9.89	112.5	
60	2.27	6.15	4.95	8.01	9.80	109.1	
70	0.96	6.33	5.08	7.87	9.28	99.8	
80	1.22	6.51	5.22	7.80	8.68	93.8	
90	1.52	6.60	5.31	7.76	8.24	90.0	
100	1.80	6.64	5.35	7.71	7.95	87.6	
113	2.01	6.74	5.43	7.52	7.50	83.1	

Station	F 21	Date	1958 VI 13	Time	0320		
Sonic depth	34 m.	Lat.	62° 36' N., Long.	20° 35.5' E.			
Wind	W 4 B.	Weather		Sea	Swell		
Clouds		amount	3 /10.	Wet bulb	5.6 °C		
Remarks				Dry bulb	6.8 °C		
m	t°	S‰ <sub>oo</sub>	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	5.96	5.61	4.44	8.15	9.42	115.2	
5	5.94	5.64	4.47	8.12	9.45	115.4	
10	5.00	5.77	4.61	8.06	9.55	114.0	
15	3.90	5.86	4.72	7.95	9.48	109.9	
20	3.81	5.88	4.73	7.99	9.51	109.9	
32	1.68	6.02	4.85	7.90	8.89	97.3	

Station	F 22		Date	1958 VI 13		Time	0631	
Sonic depth	96 m.		Lat.	62°36'	N., Long.	20°01'	E.	
Wind	NW 4 B.		Weather		Sea	Swell		
Clouds			amount	3 /10.	Wet bulb	5.0	°C	
Remarks					Dry bulb	6.5	°C	
m	t°	S <sub>∞</sub> /‰	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	5.82	5.64	4.48	8.35	9.91	120.6		
5	5.60	5.64	4.49	8.34	9.85	119.1		
10	4.20	5.72	4.59	8.17	10.14	118.3		
15	3.27	5.82	4.70	8.16	9.94	113.3		
20	2.05	5.86	4.73	8.05	9.72	107.3		
30	1.14	5.97	4.79	8.00	9.72	104.6		
40	1.77	6.02	4.85	8.09	10.04	110.2		
50	1.70	6.06	4.88	8.06	9.82	107.4		
60	1.30	6.11	4.91	7.98	10.11	109.4		
70	1.03	6.31	5.07	7.73	8.95	96.2		
80	0.91	6.40	5.14	7.85	9.22	98.9		
94	1.36	6.53	5.24	7.81	8.61	93.7		

Station	F 26	Date	1958 VI 12	Time	2020		
Sonic depth	137 m.	Lat.	61°59' N.,	Long.	20°04' E.		
Wind	WSW 5 B.	Weather		Sea	Swell		
Clouds		amount	2 /10.	Wet bulb	4.2 °C		
Remarks				Dry bulb	5.1 °C		
m	t°	S‰ <sub>oo</sub>	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	3.12	6.06	4.89	8.21	10.26	116.6	
5	3.11	6.06	4.89	8.19	10.22	116.1	
10	3.11	6.06	4.89	8.22	10.39	118.1	
15	3.13	6.08	4.90	8.18	10.19	115.8	
20	3.16	6.08	4.90	8.21	10.22	116.3	
30	2.82	6.06	4.89	8.12	10.13	113.9	
40	2.64	6.08	4.90	8.16	10.10	113.2	
50	2.56	6.09	4.92	8.15	10.14	113.8	
60	2.62	6.08	4.90	8.12	10.07	112.9	
70	0.62	6.35	5.08	7.85	9.22	98.0	
80	1.28	6.37	5.09	7.69	7.94	86.0	
100	2.40	6.73	5.42	7.67	7.75	86.7	
135	2.61	6.80	5.48	7.63	7.03	79.1	

Station	F 23	Date	1958 VI 13	Time	0905		
Sonic depth	137 m.	Lat.	62°39' N., Long.	19°31' E.			
Wind	WNW 2 B.	Weather		Sea	Swell		
Clouds		amount	3 /10.	Wet bulb	6.2 °C		
Remarks				Dry bulb	7.0 °C		
m	t°	S‰ <sub>oo</sub>	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	6.82	5.50	4.31	8.52	10.00	124.4	
5	6.78	5.50	4.31	8.52	10.12	125.9	
10	6.41	5.50	4.34	8.53	10.05	123.6	
15	5.91	5.59	4.43	8.41	10.00	122.1	
20	4.60	5.66	4.55	8.23	9.78	115.2	
30	1.90	5.81	4.68	8.02	9.93	109.1	
40	0.70	5.93	4.76	7.97	9.64	102.6	
50	0.91	5.97	4.79	8.01	9.67	103.5	
60	0.60	6.06	4.85	7.98	9.70	102.8	
70	0.89	6.13	4.93	7.82	8.94	95.8	
80	1.24	6.24	5.01	7.67	8.79	94.9	
100	2.29	6.65	5.36	7.60	7.68	85.8	
130	2.70	6.74	5.43	7.60	8.02	90.6	

Station	F 21 A	Date	1958 VI 13	Time	0156		
Sonic depth	32 m.	Lat.	62°36' N.,	Long.	20°50' E.		
Wind	WSW 4 B.	Weather		Sea	Swell		
Clouds		amount	2/10.	Wet bulb	6.1 °C		
Remarks				Dry bulb	6.9 °C		
m	t°	S‰ <sub>oo</sub>	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	7.05	5.70	4.47	8.16	9.04	113.3	
5	7.07	5.72	4.48	8.16	9.03	113.6	
10	6.80	5.75	4.52	8.13	9.31	116.1	
15	4.07	5.90	4.75	8.03	9.57	111.4	
20	2.37	6.06	4.89	7.82	8.84	98.7	
30	1.87	6.08	4.90	7.77	8.52	93.8	

Station	F 24	Date	1958 VI 13	Time	1240		
Sonic depth	197 m.	Lat.	62° 52' N.	Long.	18° 55.5' E.		
Wind	SW 3 B.	Weather		Sea	Swell		
Clouds		amount	7 /10.	Wet bulb	6.6 °C		
Remarks				Dry bulb	8.6 °C		
m	t°	S‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	7.75	5.17	4.00	8.59	9.87	125.4	
5	7.60	5.21	4.04	8.59	10.19	129.2	
10	5.70	5.32	4.23	8.22	9.91	120.0	
15	4.32	5.70	4.59	8.33	10.26	115.9	
20	4.42	5.77	4.63	8.28	10.01	117.4	
30	2.00	5.82	4.70	8.06	10.08	111.2	
40	2.18	5.86	4.73	8.11	10.01	110.8	
50	0.17	5.99	4.78	7.88	9.42	98.7	
54	0.13	6.00	4.78	7.94	9.36	97.9	
63	0.29	6.00	4.79	8.00	9.25	97.0	
78	2.00	6.35	4.83	7.68	7.76	85.8	
90	2.54	6.49	5.23	7.61	7.21	80.9	
112	2.72	6.60	5.32	7.60	6.99	78.8	
135	2.75	6.64	5.35	7.60	6.77	76.4	
157	2.78	6.67	5.37	7.51	8.83	99.9	
179	2.80	5.50	4.43	7.41	6.07	68.2	

Station	F 19		Date	1958 VI 13		Time	2000	
Sonic depth	183 m.		Lat.	63°09' N.		Long.	19°26.5' E.	
Wind	NW 3 B.		Weather			Sea	Swell	
Clouds			amount	8 /10.		Wet bulb	6.8 °C	
Remarks						Dry bulb	8.0 °C	
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	6.78	4.52	3.54	8.23	9.60	112.7		
5	6.73	4.54	3.58	8.37	9.63	119.0		
10	5.91	5.25	4.16	8.43	9.92	121.0		
15	4.80	5.52	4.42	8.29	9.90	117.2		
20	4.40	5.59	4.49	8.24	9.87	115.6		
30	2.50	5.79	4.67	8.07	9.97	115.2		
40	1.20	5.90	4.74	7.92	9.63	103.6		
50	0.45	5.97	4.77	7.88	9.32	98.2		
60	0.61	6.00	4.80	7.85	9.10	96.5		
70	1.73	6.24	5.02	7.73	8.28	90.7		
80	2.29	6.38	5.14	7.61	7.46	83.2		
100	2.75	6.64	5.35	7.54	6.87	77.5		
125	2.82	6.69	5.39	7.50	6.67	75.4		
150	2.84	6.71	5.40	7.52	6.56	74.1		
180	2.86	6.74	5.43	7.39	6.48	73.6		

Station	F 18		Date	1958 VI 13		Time	2225	
Sonic depth	104 m.		Lat.	63°19'	N, Long.	20°16.5'	E.	
Wind	NW 1 D.		Weather		Sea	Swell		
Clouds			amount	9 /10.	Wet bulb	6.4	°C	
Remarks					Dry bulb	8.0	°C	
m	t°	S <sub>P</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	6.70	4.24	3.30	8.19	9.48	116.9		
5	6.10	4.90	3.89	8.39	9.96	121.6		
10	4.84	5.12	4.11	8.24	9.84	116.2		
15	4.50	5.30	4.25	8.19	9.62	112.8		
20	2.30	5.57	4.49	8.03	9.78	108.7		
30	2.48	5.79	4.67	8.12	9.93	110.9		
40	0.89	5.99	4.81	7.84	9.05	96.9		
50	1.69	6.24	5.02	7.69	8.09	88.7		
60	2.08	6.40	5.16	7.52	7.62	84.6		
70	2.28	6.46	5.20	7.51	7.50	83.7		
80	2.38	6.46	5.20	7.66	7.46	83.4		
100	2.60	6.53	5.26	7.55	7.24	81.4		

Station	F 25 A (DBS 14)		Date	1958 VI 13		Time	1505	
Sonic depth	192 m.		Lat.	62°59.5' N.		Long.	18°52' E.	
Wind	SW 4 B.		Weather		Sea	Swell		
Clouds			amount	8 /10.		Wet bulb	7.4 °C	
Remarks						Dry bulb	8.4 °C	
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	7.57	5.01	3.89	8.55	10.04	127.2	1.034	
5	7.57	5.03	3.90	8.51	10.20	129.3		
10	6.33	5.35	4.29	8.47	10.00	122.7	1.174	
15	4.40	5.55	4.46	8.23	9.91	116.2		
20	3.45	5.70	4.60	8.11	10.41	118.8	1.184	
30	1.49	5.88	4.73	7.44	9.72	105.6		
40	0.46	5.99	4.79	7.43	9.66	102.2	1.244	
50	0.24	6.00	4.79	7.93	9.50	99.6	1.244	
60	1.24	6.17	4.96	7.81	8.67	93.6		
70	2.27	6.46	5.20	7.62	7.53	84.0	1.316	
80	2.37	6.51	5.24	7.60	7.30	81.6		
100	2.70	6.64	5.35	7.53	6.95	78.5	1.344	
125	2.76	6.64	5.35	7.52	6.75	76.4		
150	2.79	6.65	5.36	7.56	6.75	76.4	1.356	
175	2.80	6.67	5.37	7.44	6.60	74.7		
190	2.81	6.67	5.32	7.40	6.41	72.5	1.372	

Station	F 17	Date	1958 VI 14	Time	0210		
Sonic depth	32 m.	Lat.	63°33' N.	Long.	20°30' E.		
Wind	NNW 2 B.	Weather		Sea	Swell		
Clouds		amount	4 /10.	Wet bulb	5.1 °C		
Remarks				Dry bulb	6.2 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	5.12	3.57	2.87	7.92	9.72	114.8	
5	5.07	3.62	2.91	7.95	9.82	115.9	
10	4.18	3.78	3.06	7.88	9.78	112.9	
15	2.36	4.31	3.48	7.84	9.48	104.6	
20	2.03	5.28	4.26	7.75	9.06	99.6	
30	1.77	6.06	4.88	7.60	8.43	92.5	

Station	F 16	Date	1958 VI 14	Time	0352		
Sonic depth	24 m.	Lat.	63°31' N., Long.	20°54' E.			
Wind	WNW 1 B.	Weather		Sea	Swell		
Clouds		amount	4 /10.	Wet bulb	4.7 °C		
Remarks				Dry bulb	5.2 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	4.67	3.86	3.11	7.91	9.87	115.4	
5	4.73	3.93	3.17	8.04	9.84	115.1	
10	4.04	3.95	3.20	7.89	9.92	114.0	
15	1.99	5.12	4.13	7.76	9.03	99.2	
23	1.79	5.57	4.49	7.62	8.85	96.9	

Station	F 15	Date	1958 VI 14	Time	0815		
Sonic depth	26 m.	Lat.	63°29.5' N., Long.	21°20.5' E.			
Wind	NNW 1 B.	Weather		Sea	Swell		
Clouds		amount	3/10.	Wet bulb	3.8 °C		
Remarks				Dry bulb	4.6 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	3.81	3.77	3.05	7.88	10.05	114.7	
5	3.70	3.77	3.05	7.80	9.94	113.3	
10	3.40	3.77	3.05	7.84	9.98	112.9	
15	3.14	3.89	3.15	7.81	9.88	111.0	
23	1.57	4.15	3.34	7.69	9.81	106.0	

Station	F 13	Date	1958 VI 14	Time	1025		
Sonic depth	61 m.	Lat.	63 47.5 N.	Long.	21 29 E.		
Wind	E 0-1 B.	Weather		Sea	Swell		
Clouds		amount	5 /10.	Wet bulb	3.6 °C		
Remarks				Dry bulb	4.8 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	2.46	3.64	2.94	7.89	10.12	111.7	
5	2.48	3.64	2.94	7.89	10.05	110.9	
10	2.40	3.66	2.95	7.91	10.07	110.8	
15	2.05	3.66	2.95	7.91	10.06	109.5	
20	1.95	3.66	2.95	7.90	10.06	109.2	
30	1.23	3.71	2.95	7.89	10.04	106.7	
40	0.82	3.77	3.00	7.85	9.95	104.6	
50	0.20	3.96	3.13	7.84	9.85	102.1	
60	0.26	4.09	3.23	7.74	9.71	100.9	

Station	F 12 (DBS 15)		Date	1958 VI 14		Time	1400	
Sonic depth	111 m.		Lat.	64°13' N.	Long.	22°04' E.		
Wind	Calm.		Weather			Sea	Swell	
Clouds			amount	4 /10.		Wet bulb	4.1 °C	
Remarks						Dry bulb	6.6 °C	
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	1.40	3.68	2.95	7.90	10.01	107.1	0.812	
5	1.37	3.68	2.95	7.90	10.00	107.0		
10	1.37	3.68	2.95	7.88	10.05	107.5	0.814	
15	1.39	3.69	2.96	7.90	10.05	107.5		
20	1.35	3.69	2.96	7.89	10.04	107.0	0.816	
30	1.35	3.69	2.96	7.96	10.04	107.0		
40	1.39	3.71	2.98	7.94	10.06	107.6	0.838	
50	0.03	3.84	3.03	7.87	9.87	101.5		
60	0.25	3.89	3.08	7.86	9.58	99.2	0.848	
70	0.60	4.04	3.21	7.83	9.49	99.2		
80	0.54	4.33	3.44	7.76	9.40	98.4	0.920	
100	0.30	4.54	3.61	7.78	9.17	95.6		
109	0.39	4.54	3.62	7.68	9.26	96.7	0.984	

Station	P 10		Date	1958 VI 14		Time	1809	
Sonic depth	49	m.	Lat.	64°44'	N., Long.	21°33'	E.	
Wind	WSW 1 B.		Weather		Sea	Swell		
Clouds			amount	3 /10.		Wet bulb	6.9 °C	
Remarks					Dry bulb	8.4 °C		
m	t°	S‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	7.42	2.76	2.18	7.77	9.34	115.2		
5	5.95	2.79	2.22	7.77	9.43	112.9		
10	2.90	3.30	2.68	7.80	9.72	108.1		
15	1.63	3.41	2.74	7.77	10.27	110.4		
20	1.24	3.44	2.76	7.78	9.67	102.6		
30	0.00	3.62	2.85	7.79	9.66	99.3		
45	0.83	3.96	3.16	7.66	9.16	96.4		

Station	F 9		Date	1958 VI 14		Time	2010	
Sonic depth	122 m.		Lat.	64°42.5' N.		Long.	22°04' E.	
Wind	NW 2 B.		Weather			Sea	Swell	
Clouds			amount	2 / 10.		Wet bulb	- °C	
Remarks						Dry bulb	- °C	
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	2.42	3.51	2.84	7.88	-	-		
5	2.11	3.51	2.83	7.86	9.93	108.0		
10	2.24	3.53	2.85	7.87	10.16	110.8		
15	2.02	3.53	2.85	7.85	9.94	108.0		
20	2.00	3.55	2.86	7.85	9.89	107.5		
30	2.08	3.71	3.00	7.92	9.92	108.3		
40	-0.02	3.71	2.93	7.93	9.73	100.0		
50	-0.05	3.80	3.00	7.89	9.73	100.1		
60	0.39	3.91	3.11	7.85	9.61	100.1		
70	0.79	4.11	3.28	7.76	9.33	98.3		
80	0.33	4.34	3.44	7.81	9.46	98.5		
100	3.29	3.51	2.85	7.89	9.80	110.1		
116	0.27	4.47	3.55	7.69	9.02	94.0		

Station	F 8		Date	1958 VI 14		Time	2236	
Sonic depth	88	m.	Lat.	64°40.5' N.	Long.	22°44' E.		
Wind	NW 3 B.		Weather			Sea	Swell	
Clouds			amount	1 / 10.		Wet bulb	8.2	°C
Remarks						Dry bulb	8.8	°C
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	2.00	3.68	2.97	7.89	10.01	108.9		
5	1.93	3.69	2.98	7.89	10.08	109.6		
10	1.95	3.66	2.95	7.88	9.95	108.2		
15	1.94	3.66	2.95	7.92	9.93	107.9		
20	1.96	3.68	2.97	7.91	9.93	108.0		
30	1.88	3.68	2.97	7.90	10.14	110.2		
40	1.61	3.68	2.96	7.83	9.90	106.4		
50	1.65	3.71	2.99	7.88	10.00	107.5		
60	1.00	3.95	3.16	7.79	9.40	99.6		
70	0.99	4.18	3.35	7.74	9.24	98.0		
85	0.24	4.33	3.42	7.79	9.48	98.3		

Station	F 7	Date	1958 VI 15	Time	0030		
Sonic depth	75 m.	Lat.	64°33.5' N., Long.	23°13'	E.		
Wind	NW 2 B.	Weather		Sea	Swell		
Clouds		amount	1 /10.	Wet bulb	3.2 °C		
Remarks				Dry bulb	3.8 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	2.17	3.60	2.91	7.98	10.04	109.7	
5	2.15	3.62	2.92	7.89	10.04	109.6	
10	2.20	3.62	2.92	7.87	10.07	110.0	
15	2.07	3.62	2.92	7.87	9.95	108.6	
20	2.03	3.66	2.95	7.87	9.99	108.7	
30	2.10	3.66	2.95	7.87	9.95	108.6	
40	2.20	3.66	2.95	7.87	9.91	108.3	
50	2.43	3.69	2.98	7.80	9.89	108.7	
60	1.37	4.07	3.27	7.68	9.11	97.5	
73	0.82	4.22	3.37	7.65	9.30	98.0	

Station	F 2	Date	1958 VI 15	Time	1322		
Sonic depth	110 m.	Lat.	65°23.5' N., Long.	23°28' E.			
Wind	NW 3 B.	Weather		Sea	Swell		
Clouds		amount	3 /10.	Wet bulb	8.1 °C		
Remarks				Dry bulb	9.6 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	8.00	2.63	1.99	7.74	9.24	116.5	
5	6.66	2.85	2.23	7.78	9.33	114.2	
10	3.27	3.53	2.87	7.80	9.82	110.5	
15	1.67	3.60	2.90	7.83	9.83	106.0	
20	2.50	3.60	2.92	7.87	9.73	107.4	
30	2.10	3.64	2.94	7.86	9.90	108.1	
42	1.77	3.66	2.94	7.73	10.08	109.0	
50	1.80	3.64	2.93	7.82	9.92	107.2	
60	1.10	3.78	3.02	7.76	9.36	99.2	
70	1.28	3.89	3.12	7.67	8.96	95.7	
80	1.40	3.91	3.14	7.68	8.91	95.3	
105	1.47	3.91	3.14	7.65	8.79	94.4	

Station	F 6	Date	1958 VI 15	Time	0225		
Sonic depth	46 m.	Lat.	64°27.5' N., Long.	23°37' E.			
Wind	NW 1 B.	Weather		Sea	Swell		
Clouds		amount	1 /10.	Wet bulb	4.8 °C		
Remarks				Dry bulb	5.4 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	4.92	3.59	2.88	7.86	9.67	113.6	
5	4.92	3.59	2.88	7.88	9.79	115.0	
10	4.86	3.59	2.88	7.88	9.55	112.2	
15	3.06	3.60	2.93	7.89	9.69	108.5	
20	2.67	3.64	2.95	7.80	9.74	108.0	
30	2.39	3.68	2.97	7.79	9.58	105.3	
45	1.47	3.95	3.17	7.64	9.15	98.4	

Station	F 26 G	Date	1958 VI 17	Time	0935		
Sonic depth	68 m.	Lat.	62°06' N., Long.	17°51' E.			
Wind	SSE 4 B.	Weather		Sea	Swell		
Clouds		amount	7 /10.	Wet bulb	7.8 °C		
Remarks				Dry bulb	8.8 °C		
m	t°	S <sub>o/oo</sub>	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	8.95	4.96	3.74	8.42	9.34	122.1	
5	8.90	4.98	3.76	8.39	9.30	121.6	
10	7.58	4.98	3.86	8.32	9.34	118.2	
15	5.67	5.26	4.18	8.28	9.58	116.0	
20	4.67	5.39	4.30	8.19	9.61	113.4	
30	1.90	5.75	4.64	7.99	9.70	106.7	
40	0.39	5.99	4.79	7.83	9.03	95.2	
50	0.43	6.00	4.80	7.79	9.07	95.6	
64	0.41	6.00	4.80	7.75	9.16	96.5	

Station	F 3	Date	1958 VI 15	Time	1100		
Sonic depth	121 m.	Lat.	65°09' N., Long.	23°12' E.			
Wind	NW 1 B.	Weather		Sea	Swell		
Clouds		amount	3 /10.	Wet bulb	6.4 °C		
Remarks				Dry bulb	6.9 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	3.53	3.59	2.90	7.79	10.00	113.1	
5	3.70	3.59	2.90	7.76	9.83	112.0	
10	3.14	3.62	2.93	7.74	9.94	111.4	
15	2.39	3.62	2.92	7.74	9.93	109.2	
20	2.55	3.64	2.95	7.72	9.92	109.5	
30	1.80	3.66	2.94	7.76	10.07	108.9	
40	1.71	3.66	2.94	7.75	9.81	105.9	
50	1.76	3.68	2.96	7.73	9.72	105.1	
60	1.07	3.87	3.10	7.72	9.20	97.6	
70	1.24	3.96	3.18	7.71	9.00	95.8	
80	1.29	4.04	3.24	7.66	8.92	95.4	
100	1.28	4.06	3.25	7.69	8.97	95.9	
120	1.28	4.07	3.29	7.56	9.00	96.2	

Station	F 26 i	Date	1958 VI 17	Time	1255		
Sonic depth	90 m.	Lat.	62° 08'	N., Long.	18° 34' E.		
Wind	SSE 5 B	Weather		Sea	Swell		
Clouds		amount	9 /10.	Wet bulb	6.9 °C		
Remarks				Dry bulb	7.8 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	6.73	5.79	4.55	8.64	10.48	130.5	
5	6.71	5.79	4.55	8.63	10.53	131.1	
10	6.50	5.79	4.57	8.62	10.60	131.4	
15	3.60	5.84	4.70	8.30	10.13	116.6	
20	2.97	5.84	4.71	8.27	10.05	113.7	
30	2.87	5.86	4.73	8.26	10.07	113.8	
40	1.07	5.91	4.75	8.09	9.80	105.5	
50	0.63	5.95	4.76	8.03	9.68	102.5	
60	0.97	6.13	4.93	7.89	8.85	95.2	
70	1.70	6.20	4.99	7.68	7.91	86.7	
85	2.40	6.42	5.17	7.53	7.05	78.8	

Station	F 26 k	Date	1958 VI 17	Time	1615		
Sonic depth	41 m	Lat.	61°55' N, Long.	19°06' E.			
Wind	SSE 5 B.	Weather		Sea	Swell		
Clouds		amount	8 /10.	Wet bulb	7.1 °C		
Remarks				Dry bulb	8.3 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	6.20	5.90	4.67	8.19	9.55	117.3	
5	6.20	5.88	4.65	8.20	9.83	120.8	
10	6.10	5.88	4.65	8.19	9.77	119.9	
15	4.17	5.86	4.70	8.28	10.16	118.7	
20	3.29	5.86	4.73	8.20	9.96	113.8	
30	3.07	5.88	4.74	8.12	9.99	113.4	
40	2.90	5.88	4.74	7.98	9.63	108.7	

Station	F 26 m	Date	1958 VI 17	Time	2010		
Sonic depth	124 m.	Lat.	61°50' N, Long.	20°06' E.			
Wind	SSE 5 B.	Weather		Sea	Swell		
Clouds		amount	2 /10.	Wet bulb	6.5 °C		
Remarks				Dry bulb	7.6 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	4.47	5.93	4.77	8.28	11.38	134.0	
5	4.40	5.93	4.77	8.31	10.61	124.7	
10	4.40	5.95	4.78	8.33	10.62	124.8	
15	4.00	5.95	4.79	8.27	10.33	120.1	
20	2.96	5.95	4.80	8.18	10.09	114.3	
30	2.74	5.95	4.80	8.16	10.13	113.9	
39	2.60	5.99	4.83	8.18	10.09	113.1	
48	3.17	5.99	4.83	8.18	10.29	117.1	
59	2.50	5.99	4.83	8.10	10.03	112.2	
69	1.17	6.42	5.15	7.86	9.03	97.6	
79	0.92	6.26	5.03	7.82	8.84	94.7	
98	2.66	6.62	5.33	7.62	7.33	82.6	
118	2.62	6.71	5.40	7.52	7.87	88.6	

Station	F 26 o	Date	1958 VI 18	Time	0015		
Sonic depth	52 m.	Lat.	61°43' N, Long.	21°00' E.			
Wind	SSE 4 B.	Weather		Sea	Swell		
Clouds		amount	4 /10.	Wet bulb	8.6 °C		
Remarks				Dry bulb	10.0 °C		
m	t°	S°/∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	8.18	5.88	4.52	8.30	9.43	121.7	
5	8.15	5.88	4.52	8.29	9.38	120.7	
10	8.10	5.88	4.52	8.28	9.44	121.5	
15	5.47	5.91	4.71	8.13	9.76	118.0	
20	4.37	5.95	4.78	8.16	9.69	113.7	
30	3.13	5.99	4.83	8.17	9.96	113.2	
40	2.53	6.02	4.86	8.10	9.73	108.8	
48	1.60	6.15	4.95	7.86	9.06	99.1	

Station	F 28	Date	1958 VI 18	Time	0655		
Sonic depth	39 m.	Lat.	61°08' N, Long.	20°55.5' E.			
Wind	SSE 5 B.	Weather		Sea	Swell		
Clouds		amount	2 /10.	Wet bulb	10.4 °C		
Remarks				Dry bulb	12.5 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	7.86	5.84	4.51	8.36	9.56	122.7	
5	7.71	5.84	4.52	8.35	9.60	122.4	
10	6.05	5.86	4.65	8.31	9.71	118.8	
15	4.81	5.90	4.71	8.17	9.84	116.7	
20	3.60	5.91	4.76	8.15	9.73	109.1	
30	3.14	5.97	4.81	8.12	9.75	110.8	
37	2.30	6.08	4.90	7.97	9.46	105.2	

Station	F 29 (DBS 11)		Date	1958 VI 18		Time	0945	
Sonic depth	92 m.		Lat.	61°02'	N., Long.	20°16' E.		
Wind	SSE 5 B.		Weather			Sea	Swell	
Clouds			amount	5/10.		Wet bulb	8.0 °C	
Remarks						Dry bulb	8.9 °C	
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	4.63	5.97	4.78	8.28	10.28	121.5	1.244	
5	4.58	5.99	4.80	8.29	10.25	121.2		
10	4.59	5.99	4.80	8.31	10.49	124.0	1.244	
15	4.45	6.00	4.82	8.27	10.34	121.5		
20	3.01	6.00	4.84	8.17	10.12	114.7	1.240	
30	2.93	5.99	4.83	8.15	10.03	113.4		
40	3.45	5.99	4.83	8.14	9.88	113.0	1.266	
50	3.05	6.02	4.86	8.09	9.80	111.1		
60	3.21	6.09	4.92	8.09	9.55	108.9	1.290	
70	2.09	6.17	4.97	7.97	9.29	103.0		
80	1.10	6.24	5.01	7.84	8.81	94.9	1.300	
90	1.28	6.53	5.24	7.71	8.14	88.4		

Station	F 30	Date	1958 VI 18	Time	1250		
Sonic depth	125 m.	Lat.	61°05' N., Long.	19°35' E.			
Wind	SSE 6 B.	Weather		Sea	Swell		
Clouds		amount	4/10.	Wet bulb	7.6 °C		
Remarks				Dry bulb	8.6 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	4.66	5.95	4.77	8.29	10.28	121.8	
5	4.68	5.95	4.77	8.32	10.44	123.7	
10	4.74	5.95	4.77	8.32	10.27	121.7	
15	4.70	5.97	4.78	8.21	10.18	120.6	
22	4.30	5.95	4.78	8.30	10.17	119.2	
34	2.60	5.97	4.81	8.17	10.13	113.7	
47	2.66	5.97	4.81	8.15	10.12	113.7	
58	1.43	6.00	4.83	8.01	9.58	104.0	
69	1.44	6.28	5.04	7.68	8.12	88.3	
81	2.24	6.51	5.24	7.59	7.17	80.2	
92	2.39	6.67	5.37	7.66	7.36	82.4	
104	2.00	6.78	5.46	7.74	8.09	89.8	
118	2.54	6.80	5.48	7.42	6.24	70.1	

Station	F 31	Date	1958 VI 18	Time	1705		
Sonic depth	49 m.	Lat.	61°11' N, Long.	18°37' E.			
Wind	SE 5 B.	Weather		Sea	Swell		
Clouds		amount	10/10.	Wet bulb	7.3 °C		
Remarks				Dry bulb	8.2 °C		
m	t°	S <sub>w</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	6.58	5.66	4.46	8.22	9.57	118.7	
5	6.58	5.68	4.47	8.20	9.19	114.0	
10	6.53	5.68	4.47	8.19	9.49	117.3	
15	6.47	5.72	4.51	8.18	9.41	116.3	
20	6.08	5.81	4.60	8.14	9.39	115.5	
30	3.33	5.86	4.73	8.09	9.86	112.6	
40	2.96	5.86	4.73	8.08	9.78	110.6	
47	2.81	5.88	4.74	8.06	9.73	109.4	

Station	F 33	Date	1958 VI 19	Time	0325		
Sonic depth	98 m.	Lat.	60°33' N., Long.	18°55' E.			
Wind	SE 4 B.	Weather		Sea	Swell		
Clouds		amount	10 / 10.	Wet bulb	8.0 °C		
Remarks	rain			Dry bulb	8.4 °C		
m	t°	S‰ <sub>00</sub>	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	6.40	5.54	4.37	8.19	9.30	114.5	
5	6.40	5.54	4.37	8.20	9.21	113.4	
10	6.30	5.57	4.40	8.17	9.32	114.6	
15	5.20	5.82	4.65	8.23	9.80	117.5	
20	4.14	5.97	4.77	8.17	10.02	116.9	
30	3.53	6.04	4.86	8.12	9.73	111.8	
40	2.48	6.17	4.97	8.07	9.72	108.8	
50	1.88	6.47	5.21	8.03	9.55	105.5	
60	1.70	6.60	5.31	7.98	9.29	102.1	
70	1.62	6.62	5.32	8.01	9.27	101.4	
80	1.58	6.69	5.38	8.04	9.27	101.6	
88	1.53	6.73	5.41	8.01	9.20	100.5	

Station	SF 3	Date	1958 VI 25	Time	1203		
Sonic depth	105 m.	Lat.	58°54.5' N., Long.	19°31' E.			
Wind	SW 1 B.	Weather		Sea	Swell		
Clouds		amount	0 / 10.	Wet bulb	13.3 °C		
Remarks				Dry bulb	14.4 °C		
m	t°	S‰ <sub>00</sub>	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	12.85	6.24	4.28		8.65	124.8	
5	10.49	6.13	4.51		9.14	125.0	
10	7.60	6.65	5.17		9.29	118.8	
15	6.50	6.80	5.36		9.34	116.3	
20	5.44	6.91	5.49		9.22	111.8	
30	4.15	7.12	5.72		9.30	109.2	
40	1.80	7.34	5.91		9.13	101.0	
50	1.53	7.61	6.12		9.20	101.2	
60	2.22	8.13	6.55		6.89	77.5	
80	4.19	10.08	8.06		1.42	17.0	
100	4.44	10.55	8.42		1.07	12.9	

Station	SF 1	Date	1958 VI 24	Time	0805		
Sonic depth	97 m.	Lat.	58°52.5' N., Long.	19°35' E.			
Wind	E 1 B.	Weather	-	Sea	0 Swell		
Clouds		amount	0 / 10.	Wet bulb	10.9 °C		
Remarks				Dry bulb	11.8 °C		
m	t°	S‰ <sub>00</sub>	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	11.49	6.53	4.69		8.59	120.5	
5	11.30	6.53	4.71		8.44	118.0	
10	10.03	6.60	4.92		8.90	120.6	
15	5.95	6.89	5.46		9.32	114.5	
20	5.69	6.98	5.54		9.43	115.4	
30	3.81	7.14	5.73		9.51	110.6	
40	1.50	7.57	6.09		8.82	96.9	
50	2.08	8.03	6.46		7.18	80.4	
60	3.23	8.89	7.15		4.49	52.6	
70	3.90	9.72	7.79		2.22	26.4	
80	4.25	10.19	8.15		1.41	16.9	
90	4.39	10.34	8.26		1.10	13.2	

Station	SF 4	Date	1958 VI 25	Time	1415		
Sonic depth	148 m.	Lat.	58°50.5' N., Long.	19°39' E.			
Wind	SW 1 B.	Weather		Sea	Swell		
Clouds		amount	0 / 10.	Wet bulb	13.4 °C		
Remarks				Dry bulb	14.0 °C		
m	t°	S <sub>00</sub> ‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	12.58	6.44	4.47		8.64	124.1	
5	11.08	6.53	4.74		8.88	123.7	
10	6.30	6.83	5.40		9.24	114.6	
15	6.05	6.96	5.52		9.20	113.2	
20	5.63	7.02	5.58		9.25	112.9	
30	3.54	7.12	5.73		9.15	105.6	
40	2.02	7.38	5.94		8.87	98.9	
50	1.80	7.79	6.27		8.30	92.1	
60	2.84	8.59	6.90		5.39	61.7	
80	4.18	9.99	7.99		1.44	17.2	
100	4.40	10.44	8.34		1.49	18.0	
125	4.67	10.75	8.57		1.26	15.4	

Station	SF 2		Date	1958 VI 24		Time	1647	
Sonic depth	93	m.	Lat.	58°52.5' N., Long.			19°35' E.	
Wind	SE 2 B		Weather			Sea	1 Swell	
Clouds			amount	0 / 10.		Wet bulb	11.9 °C	
Remarks						Dry bulb	12.6 °C	
m	t°	S‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	12.18	6.53	4.61		8.60	122.7		
5	11.73	6.53	4.66		8.64	121.7		
10	6.90	6.73	5.41		9.46	119.1		
15	5.90	6.85	5.51		9.37	115.1		
20	5.57	6.94	5.52		9.16	112.1		
30	3.22	7.11	5.72		9.11	104.4		
40	1.77	7.48	6.02		8.94	99.0		
50	2.03	7.99	6.43		7.41	82.9		
60	3.12	8.86	7.12		4.44	51.3		
70	3.88	9.67	7.75		2.17	25.7		
80	4.26	10.10	8.08		1.21	14.6		
90	4.39	10.39	8.30		1.28	15.4		

Station	SF 5	Date	1958 VI 26	Time	1557		
Sonic depth	93 m.	Lat.	58°52.5' N., Long.	19°35' E.			
Wind	E 1 B.	Weather		Sea	Swell		
Clouds		amount	0 / 10.	Wet bulb	13.6 °C		
Remarks				Dry bulb	15.6 °C		
m	t°	S‰ <sub>00</sub>	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	12.99	6.22	4.25				
5	7.99	6.24	4.81				
10	5.92	6.49	5.15				
15	5.81	6.76	5.37				
20	5.53	6.94	5.52				
30	4.42	7.11	5.69				
40	1.40	7.38	5.93				
50	1.65	7.65	6.15				
60	2.57	8.50	6.83				
70	3.74	9.51	7.63				
80	4.24	10.01	8.00				

Station	F 48 A	Date	1958 VIII 18	Time	1110		
Sonic depth	70 m.	Lat.	59° 58.5' N, Long.	25° 30' E.			
Wind	NE 3 B.	Weather	Sea	Swell			
Clouds		amount	10 /10.	Wet bulb	13.8 °C		
Remarks			Dry bulb	15.7 °C.			
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	16.23	5.63	3.29	8.29	7.32	113.1	
5	16.22	5.63	3.29	8.25	7.12	110.0	
10	14.36	5.50	3.49	8.09	7.27	107.9	
15	11.57	5.35	3.77	8.15	7.19	100.4	
20	12.63	5.90	4.06	7.85	7.01	100.4	
23	9.10	5.61	4.23	7.80	7.21	95.1	
27	10.59	5.90	4.31	7.94	7.35	100.5	
30	6.83	5.88	4.61	7.65	7.04	87.9	
40	4.65	6.31	5.06	7.55	7.16	84.7	
50	2.76	7.02	5.65	7.50	6.87	77.9	
60	2.56	7.94	6.39	7.24	5.44	61.7	

Station	F 32	Date	1958 VI 18	Time	2015
Sonic depth	65 m.	Lat.	61° 12' N, Long.	17° 51' E.	
Wind	SE 6 B.	Weather	Sea	Swell	
Clouds	amount	10 /10.	Wet bulb	9.2 °C	
Remarks	rain		Dry bulb	9.6 °C	

m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	8.47	5.37	4.10	8.23	8.89	115.3	
10	7.91	5.45	4.21	8.24	8.98	115.0	
15	3.53	5.82	4.69	8.15	9.95	114.1	
19	2.71	5.84	4.71	8.06	10.29	115.6	
28	2.13	5.86	4.73	8.05	10.00	110.6	
37	2.20	5.88	4.74	8.08	9.78	108.3	
46	2.01	5.90	4.76	8.06	10.00	110.4	
56	1.12	5.91	4.75	7.84	9.26	99.7	

Station	F 52 A	Date	1958 VIII 18	Time	1440		
Sonic depth	75 m.	Lat.	59° 52.5' N, Long.	24° 49.5' E.			
Wind	NE 1 B.	Weather	Sea	Swell			
Clouds	amount	10 /10.	Wet bulb	14.6 °C			
Remarks			Dry bulb	15.4 °C			
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	16.21	5.68	3.33	8.33	7.49	115.8	
5	16.04	5.68	3.36	8.36	7.46	114.8	
10	13.53	5.95	3.97	8.03	7.02	102.5	
15	14.02	6.26	4.14	8.10	6.89	101.9	
20	13.07	6.24	4.25	8.01	7.01	101.7	
30	7.20	5.99	4.68	7.75	7.22	91.2	
40	5.10	6.24	4.99	7.74	7.50	89.9	
50	3.04	6.87	5.53	7.76	7.72	87.9	
60	2.20	7.56	6.09	7.63	6.88	77.1	
70	2.31	7.90	6.36	7.58	5.83	65.6	

Station	F 56 a	Date	1958 VIII 18	Time	1705		
Sonic depth	51 m.	Lat.	59° 46.5' N, Long.	24° 25.5' E.			
Wind	N 1 B.	Weather	Sea	Swell			
Clouds		amount	10 /10.	Wet bulb	14.2 °C		
Remarks				Dry bulb	15.2 °C		
m	t°	S‰ <sub>00</sub>	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	16.22	5.81	3.42	8.34	7.42	114.9	
5	16.20	5.82	3.44	8.21	8.45	130.8	
10	16.10	6.11	3.67	8.24	7.35	113.8	
15	13.33	6.47	4.39	8.08	7.28	106.1	
20	10.95	6.17	4.48	8.00	7.31	100.8	
30	9.27	6.22	4.69	7.88	7.69	102.4	
40	4.74	6.22	4.98	7.74	7.55	89.6	
50	2.85	6.98	5.62	7.64	7.34	83.1	

Station	F 57 a	Date	1958 VIII 18	Time	2000		
Sonic depth	50 m.	Lat.	59° 44' N, Long.	23° 38.5' E.			
Wind	N 3 B.	Weather	Sea	Swell			
Clouds	amount	10/10.	Wet bulb	13.9 °C			
Remarks			Dry bulb	15.4 °C			
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	16.06	6.24	3.78	8.36	7.57	117.0	
5	16.02	6.28	4.82	8.33	7.42	114.5	
12	14.60	6.51	4.23	8.23	7.20	107.9	
16	13.89	6.78	4.56	8.10	6.85	101.5	
21	13.79	6.89	4.65	8.10	6.87	101.6	
30	12.14	6.89	4.89	7.99	7.00	99.8	
40	7.27	6.55	5.11	7.81	7.30	92.6	
50	5.55	6.67	5.31	7.84	7.61	92.6	

Station	F 59 A	Date	1958 VIII 18	Time	2255		
Sonic depth	49 m.	Lat.	59° 38' N.	Long.	23 01' E.		
Wind	N 4 B.	Weather	Sea	Swell			
Clouds		amount	/10.	Wet bulb	13.6 °C		
Remarks				Dry bulb	14.8 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.55	6.33	3.94	8.29	7.44	113.6	
5	15.52	6.33	3.94	8.27	7.57	114.0	
10	15.32	6.33	3.98	8.28	7.44	113.2	
15	14.16	6.44	4.25	8.19	7.24	107.6	
20	12.44	6.55	4.58	8.14	7.56	108.3	
30	7.57	6.85	5.33	8.02	7.89	101.3	
40	4.88	6.87	5.48	7.86	7.65	91.6	
45	4.43	6.91	5.53	7.80	7.87	92.9	

Station	F72A (DBS 10)		Date	1958 VIII 19		Time	0400	
Sonic depth	67 m.		Lat.	59° 27' N, Long.		21° 49' E.		
Wind	N 4 B.		Weather			Sea	Swell	
Clouds			amount	/10.		Wet bulb	13.9 °C	
Remarks						Dry bulb	14.7 °C	
m	t°	S‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	14.73	6.49	4.20	8.29	7.50	112.8	1.398	
5	14.72	6.49	4.20	8.24	7.30	109.8		
10	14.67	6.49	4.21	8.25	7.36	110.7	1.398	
15	14.59	6.49	4.23	8.19	7.37	110.7		
18	10.12	6.74	5.02	8.06	-	-		
20	8.96	6.82	5.19	8.06	7.46	98.8	1.436	
29	3.36	7.21	5.81	7.94	8.76	101.0		
39	2.86	7.36	5.92	7.93	8.34	95.1	1.492	
48	2.75	7.39	5.95	7.88	8.10	91.9		
56	2.69	7.41	5.96	7.96	8.22	93.3	1.494	
66	2.67	7.43	5.98	7.89	8.24	93.5		



Station	F 74		Date	1958 VIII 19		Time	0914	
Sonic depth	148 m.		Lat.	59° 02'	N, Long.	21° 04'	E.	
Wind	N 5 B.		Weather			Sea	Swell	
Clouds			amount	/10.		Wet bulb	14.2 °C	
Remarks						Dry bulb	15.0 °C	
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	15.35	7.11	4.56	8.41	7.65	116.8		
5	15.33	7.11	4.56	8.39	7.42	113.3		
10	15.33	7.12	4.58	8.35	7.42	113.3		
15	15.19	7.14	4.62	8.37	7.30	111.4		
20	14.14	7.18	4.82	8.21	7.14	106.4		
30	9.82	7.29	4.47	8.07	7.45	100.8		
39	5.06	7.41	5.92	8.13	8.21	99.3		
49	3.75	7.56	6.07	8.09	8.67	101.0		
59	2.26	7.79	6.27	7.87	7.92	89.1		
69	2.74	8.22	6.62	7.57	6.05	68.9		
79	2.90	8.42	6.77	7.44	5.09	58.4		
99	4.09	9.99	8.00	7.20	1.56	18.7		
123	4.57	10.84	8.65	7.13	0.82	10.0		
143	4.64	10.99	8.77	7.16	0.52	6.0		

Station	F. 79		Date	1958 VIII 19		Time	1539	
Sonic depth	117	m.	Lat.	58° 27' N.	Long.	20° 09' E.		
Wind	N 4 B.		Weather			Sea	Swell	
Clouds			amount	/10.		Wet bulb	14.4°C	
Remarks						Dry bulb	15.4°C	
m	t°	S‰	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	15.64	6.62	4.14	8.47	7.65	117.3		
5	15.59	6.62	4.15	8.44	7.83	120.1		
10	14.99	6.62	4.25	8.37	7.53	113.9		
15	14.39	6.69	4.41	8.28	7.11	106.3		
20	14.23	6.89	4.58	8.30	7.23	107.7		
25	9.78	6.91	5.17	8.16	7.47	100.9		
29	6.14	7.20	5.69	8.12	8.51	105.2		
38	3.51	7.43	5.98	8.08	8.92	103.4		
48	3.17	7.59	6.11	8.09	8.90	103.6		
57	2.64	7.62	6.21	7.99	8.70	98.6		
67	2.58	8.26	6.65	7.67	-	-		
76	2.91	9.60	7.71	7.30	2.73	31.6		
96	4.41	10.57	8.43	7.20	0.82	9.9		
110	4.73	11.20	8.92	7.18	0.49	6.0		

Station	F 80 (DBS 7)	Date	1958 VIII 19	Time	2006		
Sonic depth	178 m.	Lat.	58° 00' N., Long.	19° 54' E.			
Wind	NNE 3 B	Weather		Sea	Swell		
Clouds		amount	/10.	Wet bulb	14.3 °C		
Remarks				Dry bulb	15.4 °C		
m	t°	S <sub>700</sub>	σ <sub>t</sub>	ρ <sub>st</sub>	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.77	6.82	4.28	8.38	7.56	116.5	1.426
5	15.77	6.82	4.28	8.44	7.49	115.4	
10	15.74	6.82	4.29	8.47	7.46	114.8	1.428
15	15.36	6.83	4.36	8.40	7.37	112.5	
20	12.98	6.87	4.75	8.14	7.04	102.3	1.400
25	7.77	7.23	5.62	8.08	8.58	110.7	
30	4.36	7.32	5.87	8.12	8.81	104.3	
40	2.66	7.48	6.02	8.07	9.00	102.2	1.490
50	2.16	7.67	6.17	7.93	7.99	89.5	
59	2.22	7.99	6.43	7.68	7.40	83.1	1.510
68	3.53	9.11	7.30	7.40	3.59	42.0	
78	3.94	9.67	7.75	7.23	2.23	26.4	1.592
98	4.55	10.52	8.40	7.20	0.76	9.2	1.624
122	4.68	11.02	8.79	7.19	0.49	6.0	1.646
146	5.04	11.85	9.43	7.18	0.00	0.0	1.684
166	5.20	12.11	9.62	7.22	0.00	0.0	1.766

Station	F 81 (DBS 6)		Date	1958 VIII 20		Time	0207	
Sonic depth	210 m.		Lat.	57° 21' N,	Long.	19° 57' E.		
Wind	NNE 2 B		Weather			Sea	Swell	
Clouds			amount	/10.		Wet bulb	13.8 °C	
Remarks						Dry bulb	15.3 °C	
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	15.35	7.34	4.74	8.34	7.72	118.2	1.480	
5	15.27	7.34	4.76	8.41	7.70	117.9		
10	15.27	7.34	4.76	8.39	8.13	124.5	1.486	
15	15.09	7.38	4.81	8.41	7.50	114.5		
20	13.35	7.38	5.09	8.20	7.74	113.6	1.488	
25	12.99	7.45	5.20	8.16	7.16	104.4		
30	8	7.52	-	-	7.60	-		
40	4.72	7.65	6.11	7.97	8.46	101.3	1.500	
50	3.54	7.67	6.16	7.91	8.47	98.2		
60	2.90	7.72	6.21	7.93	8.55	97.7	1.500	
70	2.52	8.26	6.65	7.57	7.10	80.5		
80	3.82	9.63	7.72	7.21	3.02	35.7	1.588	
100	4.50	10.73	8.57	7.10	0.66	8.0	1.630	
125	5.11	11.49	9.14	7.09	0.48	5.9	1.660	
150	5.38	12.47	9.86	7.12	0.00	0.0	1.734	
175	5.54	12.81	10.15	7.17	0.00	0.0	1.768	
200	5.65	10.43	10.29	7.15	0.00	0.0	1.810	

Station	"10"	Date	1958 VIII 20	Time	0902		
Sonic depth	150 m.	Lat.	56° 43' N.	Long.	19° 17' E.		
Wind	ENE 2 B.	Weather		Sea	Swell		
Clouds		amount	/10.	Wet bulb	15.0 °C		
Remarks				Dry bulb	15.8 °C		
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.53	7.25	4.65	8.37	7.67	117.8	
5	15.43	7.25	4.67	8.37	7.69	117.8	
10	15.29	7.34	4.75	8.37	7.67	117.3	
15	14.42	7.38	4.92	8.32	7.62	114.4	
20	12.52	7.43	5.26	8.17	7.61	109.8	
25	6.44	7.59	5.99	8.05	8.35	104.2	
30	5.12	7.63	6.09	8.01	8.68	105.1	
40	3.47	7.67	6.16	7.93	8.90	103.1	
50	2.52	7.72	6.21	7.90	8.69	98.3	
60	2.49	8.06	6.49	7.68	7.50	84.8	
70	3.40	9.07	7.29	7.33	3.79	44.2	
80	4.24	10.16	8.12	7.16	1.08	12.9	
100	4.67	11.08	8.83	7.16	1.05	12.8	
125	5.03	11.89	9.46	7.12	0.00	0.0	
145	5.36	12.45	9.88	7.14	0.00	0.0	

Station	"11"	Date	1958 VIII 20	Time	1411		
Sonic depth	100 m.	Lat.	56° 16' N.	Long.	18° 52' E.		
Wind	E 4 B.	Weather		Sea	Swell		
Clouds		amount	/10.	Wet bulb	14.3 °C		
Remarks				Dry bulb	15.9 °C		
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.92	7.16	4.51	8.35	7.98	123.5	
5	15.92	7.16	4.51	8.37	7.83	121.2	
10	15.74	7.16	4.55	8.35	8.09	124.5	
15	15.08	7.16	4.66	8.30	8.01	121.9	
20	13.83	7.20	4.92	8.11	7.55	111.8	
25	12.77	7.41	5.20	8.15	7.17	104.2	
30	7.41	7.50	5.86	8.00	7.77	99.4	
40	4.59	7.63	6.10	7.90	8.16	97.4	
50	3.36	7.70	6.19	7.95	8.84	102.2	
60	2.64	7.88	6.34	7.71	8.20	93.0	
70	2.92	8.66	6.96	7.45	5.50	63.1	
80	3.93	9.80	7.84	7.19	2.77	32.9	
95	4.33	10.34	8.27	7.14	6.65	80.1	

Station "12"	Date 1958 VIII 20		Time 1842				
Sonic depth 98 m.	Lat. 55°46' N., Long.		18°26' E.				
Wind NE 5 B.	Weather amount	/10.	Sea Swell				
Clouds			Wet bulb 14.2 °C				
Remarks			Dry bulb 15.8 °C				
m	t°	S <sub>p</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.88	7.30	4.64	8.36	7.47	115.8	
10	15.80	7.30	4.65	8.35	7.54	116.7	
15	15.34	7.34	4.74	8.34	7.43	113.6	
20	15.24	7.34	4.76	8.27	7.37	112.5	
32	10.29	7.50	5.59	8.12	7.91	108.5	
44	4.60	7.68	6.14	8.02	8.76	104.4	
54	3.30	7.72	6.20	7.97	9.16	105.8	
64	2.88	7.72	6.21	7.95	8.88	101.5	
76	2.22	8.15	6.56	7.69	7.45	83.7	
86	3.79	9.80	7.85	7.22	2.93	34.7	
95	4.38	10.55	8.42	7.11	0.96	11.6	

Station "15"	Date 1958 VIII 21	Time 0629					
Sonic depth 84 m.	Lat. 55°16' N., Long.	16°06' E.					
Wind E 5 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 15.6 °C					
Remarks		Dry bulb 17.8 °C					
m	t°	S <sub>p</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.29	7.32	4.74	8.25	7.51	114.8	
5	15.29	7.32	4.74	8.25	7.64	116.8	
10	15.37	7.32	4.73	8.24	7.70	117.9	
14	15.22	7.32	4.75	8.25	7.36	112.4	
19	15.37	7.38	4.77	8.21	7.47	114.6	
29	7.96	7.61	5.89	8.00	7.93	103.0	
38	3.62	7.68	6.17	7.92	9.09	105.7	
48	2.67	7.90	6.36	7.78	8.26	94.0	
57	2.69	9.87	7.93	7.50	6.72	77.3	
72	5.04	13.55	10.77	7.15	0.89	11.1	

Station "16"	Date 1958 VIII 21	Time 1055					
Sonic depth 92 m.	Lat. 55°18.5' N., Long. 15°15' E.						
Wind E 5 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 15.1 °C					
Remarks		Dry bulb 15.8 °C					
m	t°	S <sub>p</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.16	7.34	4.77	8.28	7.27	111.0	
10	15.16	7.34	4.77	8.27	-	-	
15	15.21	7.34	4.76	8.30	8.33	127.2	
19	15.14	7.34	4.78	8.27	7.66	116.8	
30	13.54	7.48	5.15	8.16	7.45	109.7	
39	8.65	7.52	5.76	8.03	7.49	96.6	
49	3.70	7.68	6.17	7.98	8.72	101.6	
59	2.01	7.95	6.40	7.85	8.66	96.8	
69	5.10	10.64	8.47	7.60	6.43	79.3	
83	5.17	13.48	10.71	7.16	1.06	13.3	

Station "13"	Date 1958 VIII 20	Time 2219					
Sonic depth 71 m.	Lat. 55°30.5' N., Long. 17°45' E.						
Wind ENE 5 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 15.6 °C					
Remarks		Dry bulb 16.6 °C					
m	t°	S°/∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	16.09	7.39	4.66	8.30	7.59	124.2	
5	16.10	7.39	4.66	8.34	7.33	114.4	
10	16.03	7.39	4.68	8.26	-	-	
15	16.16	7.41	-	-	-	-	
20	15.26	7.48	4.87	8.24	7.27	111.3	
29	13.31	7.52	5.21	8.06	-	-	
30	16.08	7.56	-	-	-	-	
40	4.18	7.63	6.12	8.01	8.75	103.3	
50	3.20	7.70	6.20	7.97	8.96	103.1	
64	2.61	8.73	7.02	7.54	6.36	72.5	

Station "17"	Date 1958 VIII 21	Time 1428					
Sonic depth 48 m.	Lat. 55°13.5' N., Long. 14°32' E.						
Wind E 4 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 14.8 °C					
Remarks		Dry bulb 15.8 °C					
m	t°	S <sub>p</sub> /∞	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.77	7.57	4.85	8.26	7.13	110.4	
9½	15.78	7.57	4.85	8.26	7.49	115.9	
14½	15.80	7.57	4.84	8.24	7.20	111.4	
19½	15.75	7.57	4.85	8.22	7.08	109.6	
29	8.11	7.70	5.96	7.98	7.93	103.2	
38½	2.89	8.13	6.55	7.74	8.31	95.2	

Station "14"	Date 1958 VIII 21	Time 0237					
Sonic depth 52 m.	Lat. 55°13' N., Long. 17°00' E.						
Wind E 5 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 15.6 °C					
Remarks		Dry bulb 16.6 °C					
m	t°	S° <sub>∞</sub>	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	16.03	7.47	4.73	8.27	8.07	125.3	
5	16.03	7.47	4.73	8.21	7.29	113.2	
10	16.03	7.47	4.73	8.30	7.38	114.6	
15	16.01	7.47	4.73	8.31	7.11	110.4	
20	16.03	7.48	4.74	8.27	7.13	110.7	
30	13.81	7.56	5.17	8.13	7.35	109.5	
40	5.96	7.67	6.08	7.94	8.38	103.6	
48	4.25	7.72	6.18	7.96	8.53	100.9	

Station "17"	Date 1958 VIII 23	Time 0814					
Sonic depth 45 m.	Lat. 55°13.5' N., Long. 14°32' E.						
Wind NE 2 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 15.8°C					
Remarks haze		Dry bulb 16.6°C					
m	t°	S <sub>p</sub> /∞	σ <sub>t</sub>	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.76	7.63	4.90	8.21	7.22	111.8	
10	15.73	7.63	4.91	8.17	1.92	29.7	
15	15.73	7.63	4.91	8.19	7.24	111.9	
20	15.62	7.63	4.93	8.16	7.10	109.4	
25	11.84	7.68	5.54	7.95	7.59	107.8	
30	5.55	7.81	6.20	7.84	8.46	103.5	
40	5.04	8.86	7.06	7.64	7.50	91.4	

Station "18"	Date 1958 VIII 23		Time 1125				
Sonic depth 46 m.	Lat. 55°05.5' N, Long.		14°01' E.				
Wind N 2 B.	Weather	Sea	Swell				
Clouds	amount	/10.	Wet bulb	14.8 °C			
Remarks rain			Dry bulb	15.0 °C			
m	t°	S <sub>‰</sub>	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.90	7.72	5.12	8.23	7.62	116.2	
5	14.93	7.76	5.14	8.24	7.61	116.0	
10	14.80	7.76	5.16	8.23	7.91	120.2	
15	13.45	7.72	5.34	8.15	7.80	114.7	
20	4.66	7.72	6.17	7.86	8.40	100.6	
30	3.75	7.90	6.36	7.78	8.09	94.5	
40	7.56	11.24	8.77	7.71	6.31	83.0	
43	5.86	13.69	10.83	7.43	3.78	48.4	

Station "19"	Date 1958 VIII 23	Time 1313					
Sonic depth 47 m.	Lat. 55°02' N, Long. 13°45.5' E.						
Wind W 3 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 14.8 °C					
Remarks rain		Dry bulb 15.1 °C					
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.85	7.65	5.06	8.22	7.50	113.8	
5	14.83	7.65	5.07	8.21	7.78	118.0	
10	14.64	7.70	5.15	8.18	7.43	112.2	
15	10.92	7.70	5.67	8.03	7.62	106.1	
20	6.93	7.97	6.26	7.82	7.69	97.6	
30	5.45	8.57	6.82	7.74	7.73	94.7	
40	5.95	10.64	8.42	7.57	5.74	72.2	
45	5.05	15.23	12.10	7.35	2.88	36.4	

Station "20"	Date 1958 VIII 23	Time 1502					
Sonic depth 48 m.	Lat. 54°58' N, Long.	13°29' E.					
Wind WSW 4 B.	Weather	Sea Swell					
Clouds	amount /10.	Wet bulb 14.7°C					
Remarks rain		Dry bulb 15.3°C					
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.86	7.79	5.18	8.23	7.73	117.8	
10	14.82	7.79	5.19	8.23	7.26	110.3	
15	14.42	7.79	5.25	8.16	7.19	108.1	
20	5.29	7.79	6.21	7.86	8.50	103.6	
30	3.59	7.95	6.39	7.78	8.31	96.7	
40	4.36	8.22	6.60	7.76	7.85	93.4	
45	7.47	10.48	8.18	7.59	5.56	72.7	

Station "21"	Date 1958 VIII 23	Time 1712					
Sonic depth 45 m.	Lat. 54° 59.5' N, Long. 13° 09' E.						
Wind WSW 4 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 15.1 °C					
Remarks haze		Dry bulb 15.7 °C					
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.83	7.70	5.12	8.23	7.36	111.7	
20	14.60	7.74	5.18	8.20	7.58	114.7	
33	4.86	8.04	6.43	7.80	8.03	96.9	
42	11.04	10.30	7.80	7.78	5.24	74.4	

Station "22"	Date 1958 VIII 23	Time 1900					
Sonic depth 22 m.	Lat. 54°50' N, Long.	12°55' E.					
Wind WSW 5 B.	Weather	Sea Swell					
Clouds	amount /10.	Wet bulb 14.9 °C					
Remarks rain		Dry bulb 15.8 °C					
m	t°	S <sub>‰</sub>	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.77	7.72	5.14	8.29	7.25	110.4	
20	14.53	7.77	5.22	8.25	7.41	111.8	

Station "A"	Date	1958 VIII 24	Time	0617			
Sonic depth 38 m.	Lat.	54° 45.5' N	Long.	13° 23' E.			
Wind WSW 7 B.	Weather	amount	Sea	Swell			
Clouds		/10.	Wet bulb	14.0 °C			
Remarks			Dry bulb	14.9 °C			
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
10	14.72	7.76	5.17	8.20	7.59	115.0	
20	11.76	7.76	5.62	8.04	7.48	106.4	
30	7.30	8.77	6.86	7.79	7.26	93.3	

Station "C"	Date	1958 VIII 24	Time	0718			
Sonic depth 48 m.	Lat.	54° 51.5' N.	Long.	13° 22' E.			
Wind WSW 7 B.	Weather	Ses	Swell				
Clouds	amount	/10.	Wet bulb	14.2 °C			
Remarks haze			Dry bulb	15.0 °C			
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
10	14.75	7.74	5.16	8.16	7.29	110.4	
30	5.15	8.04	6.41	7.82	8.23	99.8	
40	6.56	8.75	6.89	7.73	7.45	94.2	

Station "E"	Date 1958 VIII 24	Time 0819					
Sonic depth 47 m.	Lat. 54° 57' N, Long. 13° 18.5' E.						
Wind WSW 7 B.	Weather amount	Sea Swell					
Clouds	/10.	Wet bulb 14.2 °C					
Remarks haze		Dry bulb 14.8 °C					
m	t°	S‰	$\sigma_t$	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
10	14.66	7.72	5.16	8.20	7.33	111.1	
30	5.16	8.06	6.42	7.81	8.31	101.1	
40	8.74	9.13	7.01	7.81	6.72	89.6	

Station	"G"		Date	1958 VIII 24		Time	0919	
Sonic depth	41	m.	Lat.	55° 03'	N, Long.	13° 15.5'	E.	
Wind	WSW 6 B.		Weather			Sea	Swell	
Clouds			amount	/10.	Wet bulb	14.3	°C	
Remarks					Dry bulb	15.2	°C	
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
10	-	7.67	-	-	7.76	-		
30	5.64	7.88	6.26	-	8.23	-		
38	10.64	9.58	7.15	-	6.19	-		

Station "I"	Date	1958 VIII 24	Time	1034			
Sonic depth 38 m.	Lat.	55°08.5' N,	Long.	13°12.5' E.			
Wind WSW 6 B.	Weather	amount	Sea	Swell			
Clouds		/10.	Wet bulb	14.6 °C			
Remarks			Dry bulb	15.2 °C			
m	t°	S‰	$\sigma_t$	PH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
10	14.97	7.63	5.03	8.20	7.67	116.9	
20	13.43	7.81	5.42	8.10	7.93	116.6	
33	7.39	7.92	6.18	7.92	8.32	106.7	

Station "K"	Date 1958 VIII 24	Time 1138
Sonic depth 37 m.	Lat. 55°14.5' N., Long. 13°10.5' E.	
Wind WSW 6 B.	Weather amount	Sea Swell
Clouds	10.	Wet bulb 14.6 °C
Remarks rain		Dry bulb 15.5 °C
m	t°	S <sub>0</sub> /∞
15	14.95	7.61
35	6.93	8.01

Station "L"	Date 1958 VIII 24	Time 1225
Sonic depth 25 m.	Lat. 55°18.5' N., Long. 13°09' E.	
Wind WSW 6 B.	Weather amount	Sea Swell
Clouds	10.	Wet bulb 14.7 °C
Remarks haze		Dry bulb 15.5 °C
m	t°	S <sub>0</sub> /∞
0	14.62	7.63
20	14.59	7.63

Station "I."	Date 1958 VIII 27	Time 0927
Sonic depth 27 m.	Lat. 55°18.5' N., Long. 13°09' E.	
Wind NW 3 B.	Weather amount	Sea Swell
Clouds	10 / 10.	Wet bulb 12.1 °C
Remarks		Dry bulb 14.5 °C
m	t°	S <sub>0</sub> /∞
0	14.80	7.74
15	14.80	7.79
25	5.27	7.85

Station "K"	Date 1958 VIII 27	Time 1015
Sonic depth 39 m.	Lat. 55°14.5' N., Long. 13°10.5' E.	
Wind NW 3 B.	Weather amount	Sea Swell
Clouds	10 / 10.	Wet bulb - °C
Remarks		Dry bulb - °C
m	t°	S <sub>0</sub> /∞
0	14.94	7.63
15	14.90	7.63
20	14.83	7.63
30	6.19	7.83
35	6.37	8.39

Station "J"	Date 1958 VIII 27	Time 1100
Sonic depth 40 m.	Lat. 55°11.5' N., Long. 13°11.5' E.	
Wind NW 2 B.	Weather amount	Sea Swell
Clouds	10 / 10.	Wet bulb - °C
Remarks		Dry bulb - °C
m	t°	S <sub>0</sub> /∞
0	15.14	7.61
20	14.90	7.61
25	14.61	7.61
33	8.35	7.99
35	9.65	8.89

Station "I"	Date 1958 VIII 27	Time 1143
Sonic depth 40 m.	Lat. 55°08.5' N., Long. 13°12.5' E.	
Wind NW 2 B.	Weather amount	Sea Swell
Clouds	10 / 10.	Wet bulb 12.8 °C
Remarks		Dry bulb 15.1 °C
m	t°	S <sub>0</sub> /∞
0	15.00	7.63
20	14.89	7.65
27	5.80	7.88
35	6.67	9.07

Station "H"	Date 1958 VIII 27	Time 1226
Sonic depth 41 m.	Lat. 55°05.5' N., Long. 13°13.5' E.	
Wind NW 2 B.	Weather amount	Sea Swell
Clouds	8 / 10.	Wet bulb - °C
Remarks		Dry bulb - °C
m	t°	S <sub>0</sub> /∞
0	15.56	7.59
20	15.17	7.61
25	5.31	7.88
30	6.53	8.62
40	6.30	10.68

Station "G"	Date 1958 VIII 27	Time 1318
Sonic depth 46 m.	Lat. 55°03' N., Long. 13°15.5' E.	
Wind NW 2 B.	Weather amount	Sea Swell
Clouds	8 / 10.	Wet bulb - °C
Remarks		Dry bulb - °C
m	t°	S <sub>0</sub> /∞
0	15.41	7.59
15	15.19	7.59
25	5.40	7.92
34	10.10	9.60
40	6.36	11.69

Station "F"	Date 1958 VIII 27	Time 1400
Sonic depth 46 m.	Lat. 55°00' N., Long. 13°17' E.	
Wind W 2 B.	Weather amount	Sea Swell
Clouds	2 / 10.	Wet bulb 13.3 °C
Remarks		Dry bulb 16.6 °C
m	t°	S <sub>0</sub> /∞
0	15.40	7.59
15	15.13	7.59
27	6.17	7.94
34	7.85	8.86
40	6.05	10.46

Station "B"	Date 1958 VIII 27	Time 1544
Sonic depth 46 m.	Lat. 54°57' N., Long. 13°18.5' E.	
Wind W 2 B.	Weather amount	Sea Swell
Clouds	2 / 10.	Wet bulb - °C
Remarks		Dry bulb - °C
m	t°	S <sub>0</sub> /∞
0	15.60	7.59
15	15.28	7.68
30	3.92	8.15
40	6.60	9.78
44	5.70	13.82

Station "D"	Date 1958 VIII 27	Time 1547
Sonic depth 45 m.	Lat. 54°54' N., Long. 13°20' E.	
Wind calm	Weather amount	Sea Swell
Clouds	2 / 10.	Wet bulb - °C
Remarks		Dry bulb - °C
m	t°	S <sub>0</sub> /∞
0	15.72	7.59
20	14.58	7.86
27	6.00	7.99
36	5.70	8.48
40	6.23	8.93

Station	"C"		Date	1958 VIII 27		Time	1758	
Sonic depth	43	m.	Lat.	54°51.5' N., Long.		13°22'	E.	
Wind	WSW 2 B.		Weather			Sea	Swell	
Clouds			amount	4 /10.		Wet bulb	13.8 °C	
Remarks						Dry bulb	15.2 °C	
m	t°	S <sub>0</sub> /‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	15.34	7.76	5.07	8.29	7.52	115.2		
20	14.50	7.77	5.22	8.24	7.51	113.3		
33	6.13	8.08	6.40	7.88	7.65	95.4		
40	8.44	8.75	6.74	7.91	7.03	92.7		

Station	_____		Date	1958 VIII 27	Time	1844	
Sonic depth	44	m.	Lat.	54°48.5' N., Long.	13°23.5' E.		
Wind	WSW 3 B.		Weather		Sea	Swell	
Clouds			amount	4 /10.	Wet bulb	- °C	
Remarks					Dry bulb	- °C	
m	t°	S <sub>0</sub> ‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.20	7.65	5.01	8.31	7.32	111.8	
15	14.97	7.65	5.03	8.28	7.49	114.2	
27	10.22	8.21	6.15	7.96	7.07	97.1	
30	8.61	8.33	6.39	7.92	7.33	97.1	
40	8.77	8.78	6.74	7.89	7.27	96.9	

Station "A"	Date	1958 VIII 27	Time	1938			
Sonic depth 40 m.	Lat.	54°45.5' N., Long.	13°25' E.				
Wind WSW 3 B.	Weather	Sea	Swell				
Clouds	amount	4 /10.	Wet bulb	14.2°C			
Remarks			Dry bulb	15.2°C			
m	t°	S <sub>0</sub> ‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.91	7.74	5.14	8.27	7.39	112.5	
20	11.53	8.08	5.88	8.11	7.04	99.8	
35	9.61	8.33	6.31	8.01	7.49	101.6	

Station "16"	Date 1958 VIII 28	Time 1020					
Sonic depth 96 m.	Lat. 55°18.5' N., Long.	15°15' E.					
Wind E 1 B.	Weather	Sea Swell					
Clouds	amount	/10. Wet bulb - °C					
Remarks		Dry bulb - °C					
m	t°	S <sub>0</sub> ‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.70	7.38	4.71	8.29	7.22	111.4	
5	15.47	7.38	4.75	8.33	7.21	110.9	
10	15.32	7.39	4.80	8.34	7.17	109.6	
15	15.26	7.39	4.81	8.28	7.10	108.6	
20	15.18	7.43	4.85	8.26	6.95	106.1	
25	12.90	7.48	5.24	8.19	7.15	104.1	
30	10.25	7.50	5.59	8.12	7.53	103.2	
35	6.10	7.61	6.02	8.02	8.20	101.7	
40	3.93	7.70	6.18	7.98	8.54	100.1	
45	3.29	7.83	6.30	7.93	8.38	96.8	
50	2.88	8.17	6.58	7.84	7.98	91.4	
60	4.56	10.23	8.17	7.69	3.91	47.4	
70	4.41	12.47	9.94	7.26	1.95	23.8	
80	5.21	13.78	10.94	7.18	0.22	2.7	

Station "Krey"	Date 1958 VIII 28		Time 1707				
Sonic depth 60 m.	Lat. 55°41' N.	Long. 16°36' E.					
Wind ESE 3 B.	Weather	Sea	Swell				
Clouds	amount	/10.	Wet bulb 14.4 °C				
Remarks		Dry bulb	15.3 °C				
m	t°	S <sub>00</sub>	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.35	7.32	4.73	8.34	7.40	113.1	
5	15.21	7.32	4.75	8.34	7.31	111.6	
10	15.00	7.32	4.79	8.32	7.37	112.0	
15	14.90	7.39	4.87	8.27	7.25	110.2	
20	10.00	7.32	5.48	8.05	7.82	106.4	
25	7.75	7.47	5.82	8.02	7.99	103.0	
30	5.47	7.50	5.97	7.97	8.19	100.0	
35	2.99	7.52	6.05	7.85	8.31	95.0	
40	3.64	7.63	6.13	7.91	8.44	98.1	
45	3.07	7.72	6.21	7.90	8.44	97.0	
50	2.19	7.94	6.39	7.87	8.45	94.8	

Station	F 89	Date	1958 VIII 29	Time	0030		
Sonic depth	40 m.	Lat.	56°29' N.,	Long.	17°36' E.		
Wind	ESE 3 B.	Weather		Sea	Swell		
Clouds		amount	/10.	Wet bulb	12.8 °C		
Remarks				Dry bulb	14.0 °C		
m	t°	S <sub>0</sub> /‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.38	7.03	4.67	8.35	7.51	110.8	
5	14.35	7.03	4.68	8.35	7.63	112.5	
10	13.95	7.09	4.78	8.32	7.75	114.8	
15	13.80	7.11	4.81	8.29	7.35	108.7	
20	11.05	7.16	5.23	8.20	7.69	107.0	
25	5.01	7.34	5.86	7.99	8.38	101.0	
30	3.11	7.43	5.98	7.95	8.59	98.5	
35	2.40	7.56	6.09	7.84	8.41	94.6	

Station	F 90 B		Date	1958 VIII 29		Time	0727	
Sonic depth	102 m.		Lat.	57°27.5 N., Long.		17°57.5 E.		
Wind	SE 3 B.		Weather			Sea	Swell	
Clouds			amount	/10.		Wet bulb	12.1 °C	
Remarks						Dry bulb	12.4 °C	
m	t°	S <sub>0</sub> ‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	14.80	6.78	4.41	8.33	7.49	113.0		
5	14.77	6.78	4.42	8.35	7.46	112.5		
10	14.55	6.78	4.45	8.32	7.37	110.5		
15	8.70	6.96	5.32	8.07	7.75	102.0		
20	4.76	7.11	5.68	8.05	8.79	105.0		
25	3.45	7.16	5.77	7.99	8.85	102.0		
30	2.28	7.25	5.84	8.07	8.80	98.6		
35	1.41	7.34	5.90	8.02	9.22	100.8		
40	1.62	7.48	6.02	8.00	8.82	97.1		
45	2.53	7.52	6.05	8.09	8.96	101.1		
50	2.08	7.68	6.18	7.97	8.44	94.4		
60	2.07	7.97	6.42	7.74	7.02	78.7		
70	2.60	8.50	6.83	7.53	5.09	58.0		
80	3.30	9.09	7.30	7.34	3.25	37.8		

Station	F 78 B	Date	1958 VIII 29	Time	1710		
Sonic depth	448 m.	Lat.	58°35.5' N, Long.	18°12' E.			
Wind	SE 3 B.	Weather		Sea	Swell		
Clouds		amount	/10.	Wet bulb	12.8 °C		
Remarks	fog			Dry bulb	13.0 °C		
m	t°	S <sub>w</sub> /‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	15.05	6.37	4.05	8.37	7.74	117.1	1.350
10	15.20	6.51	4.14	8.34	7.48	113.7	1.368
20	14.54	6.60	4.31	8.30	7.12	106.6	1.378
25	7.92	6.94	5.38	8.12	8.09	104.4	
30	4.90	7.11	5.67	8.07	8.76	105.0	
40	2.20	7.38	5.94	7.99	8.89	99.6	1.466
50	3.38	7.57	6.09	8.07	8.76	101.3	
60	1.98	7.70	6.20	7.79	8.15	91.0	1.492
67	2.21	8.08	6.50	7.73	6.62	74.4	1.542
77	3.28	8.98	7.22	7.50	4.14	48.1	1.610
96	4.19	10.08	8.06	7.30	1.21	14.5	1.662
120	4.45	10.50	8.39	7.36	0.87	10.5	1.696
144	4.49	10.61	8.46	7.31	0.69	8.4	1.700
192	4.51	10.70	8.54	7.25	0.60	7.3	1.680
288	4.53	10.77	8.60	7.26	0.55	6.7	1.690
409	4.58	10.79	8.61	7.24	0.48	5.8	1.690

Station	F 76 A	Date	1958 VIII 30	Time	0036		
Sonic depth	108 m.	Lat.	59°06' N, Long.	19°35' E.			
Wind	ESE 4 B.	Weather		Sea	Swell		
Clouds		amount	/10.	Wet bulb	14.6 °C		
Remarks				Dry bulb	15.2 °C		
m	t°	S <sub>w</sub> /‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.
0	14.60	6.24	4.02	8.28	7.44	111.2	1.418
5	14.59	6.24	4.02	8.29	7.92	118.4	
10	14.10	6.31	4.16	8.28	7.33	108.6	1.426
15	13.90	6.31	4.19	8.21	7.30	108.0	
20	9.01	6.87	5.22	8.05	7.69	101.8	1.420
30	4.90	7.36	5.88	8.10	8.85	106.5	
40	3.85	7.50	6.03	8.10	8.98	104.9	1.496
50	2.63	7.57	6.09	8.02	8.91	100.9	
60	2.30	7.79	6.27	7.83	8.12	91.3	1.504
70	2.70	8.33	6.70	7.55	6.11	69.7	
80	2.95	8.59	6.90	7.43	5.37	61.6	1.534
95	3.63	9.42	7.55	7.23	2.83	33.2	1.580

Station	F 72 A		Date	1958 VIII 30		Time	0730	
Sonic depth	95 m.		Lat.	59°27' N, Long.		21°40' E.		
Wind	ESE 4 B.		Weather			Sea	Swell	
Clouds			amount	/10.		Wet bulb	14.9 °C	
Remarks						Dry bulb	15.6 °C	
m	t°	S <sub>w</sub> ‰	σ <sub>t</sub>	pH	O <sub>2</sub>	O <sub>2</sub> %	Alk.	
0	14.85	6.65	4.30	8.31	7.58	114.2	1.416	
10	14.70	6.65	4.33	8.26	7.36	110.7	1.416	
20	13.60	7.05	4.81	8.17	7.15	105.3	1.416	
25	6.49	6.65	5.25	7.99	7.88	98.1	1.470	
30	3.90	7.14	5.73	7.86	7.95	92.9		
40	3.10	7.23	5.83	7.84	8.05	92.1	1.470	
50	3.19	7.29	5.87	7.87	8.06	92.5		
60	3.17	7.43	5.98	7.88	8.07	92.8	1.480	
70	2.77	7.68	6.18	7.71	7.61	86.6		
80	3.34	9.09	7.40	7.32	3.72	43.2	1.556	

Tables III. Records of surface temperature and salinity

Year: 1958 Month: June						Year: 1958 Month: June					
Date	Time	N	E	t°	S‰ <sub>∞</sub>	Date	Time	N	E	t°	S‰ <sub>∞</sub>
9.	08.20	(Helsinki - Helsingfors)				12.	02	60°29.5	21°28'	7.1	6.31
				10.0	4.36		03	°35.5	°15.5	8.7	6.24
	11	59°56.5	24°56.5	6.8	5.43		04	°35.5	°15.5	8.0	6.28
	12	°56.5	°56	9.2	5.43		05	°35.5	°15.5	8.2	6.28
	13	°54.5	°38	7.7	5.54		07	°48	°12	7.2	6.17
	14	°52.5	°20	7.1	5.68		08	°57.5	°09	6.9	5.99
	15	°50.5	°02	7.9	5.61		09	61°07	°11.5	6.9	5.93
	16	°48.5	23°44	7.0	5.68		10	°13	°13.5	7.2	5.77
	17	°46.5	°26	7.3	5.91		11	°24	°12	6.1	5.81
	18	°44.5	°08	7.3	5.72		12	°29.5	°19.5	7.2	5.25
	19	°42.5	22°50	7.1	5.79			(Säppi - Sääbskär)			
19.55		(Hanko - Hangö)					15	°32	20°00.5	6.0	5.90
10.	12	°46	°59.5	8.0	5.82		16	°34.5	°40.5	7.2	6.06
	13	°41	°51.5	8.1	5.82	(BT1)	16.30	°35.5	°31	4.8	6.00
	14	°43	°32	7.5	5.91		17	°35.5	°31	4.4	6.02
	15	°43.5	°30	7.0	5.95	(F26a)	17.32	°35.5	°31	4.10	6.06
	16	°37.5	°24.5	7.5	5.91		18	°37.5	°30	3.8	6.02
	17	°37.5	°04	7.4	5.93		19	°47	°19	3.4	6.02
	18	°37.5	21°45	7.2	6.17		20	°55	°09.5	3.6	6.02
	19	°39	°26.5	6.2	6.20	(BT2)	20.30	°59	°04.5	3.3	6.02
	20	°47.5	°21.5	6.2	6.64	(F26)	21.26	°59	°04.5	3.12	6.06
		(Uts)					22	62°01.5	°09.5	3.4	6.06
	23	°48	°21.5	6.4	6.49		23	°11	°21	4.5	5.84
11.	00	°43	°11.5	6.3	6.46	13.	00	°19.5	°30	4.2	5.70
	01	°41	20°53	6.7	6.46		01	°28.5	°40.5	5.4	5.46
	02	°41	°35	5.4	6.46	(BT3)	02	°36	°50	5.6	5.66
	03	°41	°15.5	5.1	6.46	(F21A)	02.22	°36	°50	7.05	5.70
	04	°47.5	°01.5	5.5	6.38		03	°36	°47.5	6.9	5.66
	05	°49.5	19°56.5	4.8	6.00	(BT4)	03.45	°36	°35.5	5.95	5.59
	06	°49.5	°56.5	4.8	6.00		04	°36	°35.5	6.3	5.19
	07	°44	°58	5.1	6.00	(F21)	04.03	°36	°35.5	5.96	5.61
	08	60°02	20°24	9.1	6.09		06	°32	°09	5.4	5.45
	09	°02	°24	7.7	6.19	(BT5)	07	°36	°01	5.6	5.70
		(Degerby - Sottunga)				(F22)	07.41	°36	°01	5.82	5.64
	14	°04.5	°53.5	6.4	6.46		08	°37	19°49	5.1	5.81
	15	°07.5	21°05	7.2	6.53		09	°39	°31	6.7	5.57
		(Jungfruskär)				(BT6)	09.20	°39	°31	6.7	5.50
	18	°05.5	°10	7.2	6.56		10	°39	°31	6.8	5.50
	19	°06	°30	6.5	6.53	(F23)	10.10	°39	°31	6.82	5.50
	20	°06.5	°40.5	8.3	6.42		11	°42.5	°18	7.4	5.46
	21	°06.5	°40.5	8.3	6.37	(BT7)	11.25	°45	°10.5	7.0	5.61
		(Löhm)					12	°48	°03	8.2	5.07
12.	00	°12	°42.5	8.8	6.20	(BT8)	12.45	°52	18°55.5	7.8	5.07
	01	°20	°38.5	8.4	6.24		13.10	°52	°55.5	7.5	5.08

Temperatures given with two decimals correspond to depth stations.

## Records of surface temperature and salinity

Year: 1958 Month: June						Year: 1958 Month: June					
Date	Time	N	E	t°	S‰ <sub>∞</sub>	Date	Time	N	E	t°	S‰ <sub>∞</sub>
13.		°	°			14.	21	64°42.5	22°06.5	2.2	3.51
(F24) 14	62°52'	18°55.5	7.75	5.17		(BT19) 22.40		°40.5	°44	2.1	3.62
(BT9) 15	°59.5	°52	7.9	5.10		(F8) 22.56		°40.5	°44	2.00	3.68
16	°59.5	°52	7.8	5.03		15. 00		°36.5	23°01	2.9	3.64
(F25A) 16.15	°59.5	°52	7.57	5.01		(BT20) 00.30		°33.5	°13	2.3	3.62
16.55	°59.5	°52	7.5	5.07		(F7) 01.08		°33.5	°13	2.17	3.60
18	63°04.5	19°07.5	7.4	4.87		02		°29.5	°29.5	2.8	3.59
(BT10) 19	°09	°26.5	6.5	4.61		(BT21) 02.30		°27.5	°37	4.9	3.59
(F19) 19.35	°09	°26.5	6.78	4.52		(F6) 02.55		°27.5	°37	4.92	3.59
20	°09	°30	6.6	4.52				(Ulkokalla)			
21	°13	°33.5	7.2	4.40		04.10		°20	°27.5	5.0	3.62
22	°18	2°09	6.5	4.07		05.20		°20	°27.5	5.3	3.62
(F18) 22.38	°19	°16.5	6.70	4.24		07		°28	°24	5.1	3.60
(BT11) 22.50	°19	°16.5	6.8	4.11		08		°39.5	°21	2.0	3.60
23	°19	°16.5	6.8	4.09		15. 09		°49.5	°18	2.3	3.62
14. 00	°25	°35	5.4	3.95		10		°59	°15	4.6	3.62
01	°26	°40	4.5	3.77		(BT22) 11		65°09	°12	3.2	3.64
02	°33	19°29	4.4	3.62		(F3) 11.25		°09	°12	3.53	3.59
(F17) 02.34	°33	20°30	5.12	3.57		11.55		°11	°14	5.6	3.59
(BT12) 02.40	°33	°30	5.1	3.59		12		°11.5	°14.5	5.9	3.53
	(Snipan)					13		°21	°24.5	8.2	2.76
(BT13) 04	°31	°54	4.7	3.89		(BT23) 13.30		°23.5	°28	8.3	2.63
(F16) 04.08	°31	°54	4.67	3.86		(F2) 13.53		°23.5	°28	8.00	2.63
	(Välassaaret - Valsörarna)					15		°22	°45	8.8	2.50
07	°26.5	21°03	6.3	4.07		16		°25.5	24°11	8.9	1.64
(F15) 08.34	°29.5	°20.5	3.81	3.77		(BT24) 17		°26.5	°12.5	9.4	1.55
09	°33	°23	2.6	3.73		18		°22	°09	7.6	2.72
10	°43	°27.5	2.3	3.66		19		°17	°05	7.3	3.15
(BT15) 10.34	°47.5	°29	3.1	3.64		20		°08	23°55	5.8	3.55
11	°47.5	°29	3.2	3.64		21		64°58.5	°48	6.2	3.51
(F13) 11.05	°47.5	°29	2.46	3.64		23		°38.5	°27.5	2.2	3.62
12	°56	°41	2.2	3.69		16. 00		°29	°20	5.4	3.64
13	64°05	°52	2.0	3.69		01		°19.5	°12	2.5	3.66
(BT16) 14	°13	22°04	1.8	3.69		02		°10	°03.5	6.7	3.60
(F12) 14.44	°13	°04	1.40	3.68		03		°01	°50.5	6.2	3.57
16	°22.5	21°54.5	1.9	3.66		04.15		63°57.5	°51	8.4	3.46
17	°33	°41	5.3	3.39				(Tänkar)			
18	°44	°33	7.9	2.65		07		°53	23°00	12.0	3.26
(BT17) 18.10	°44	°33	6.1	2.79				(Ykspihlajä - Yxpila)			
(F10) 18.37	°44	°33	7.42	2.76		13		°58.5	22°48.5	8.1	3.53
19.30	°43.5	°46	1.5	3.57		14		°54	°28	5.4	3.69
20	°42.5	22°04	2.1	3.51		15		°49	°08	3.5	3.69
(BT18) 20.10	°42.5	°04	2.1	3.51		16		°44.5	21°48	2.8	3.73
(F9) 20.36	°42.5	°04	2.42	3.51		17		°40.5	°27	3.1	3.66

Temperatures given with two decimals correspond to depth stations.



## Records of surface temperature and salinity

Year: 1958 Month: June						Year: 1958 Month: June					
Date	Time	N	E	t°	S‰ <sub>∞</sub>	Date	Time	N	E	t°	S‰ <sub>∞</sub>
16.	18	63° 37'	21° 09'	2.5	3.64	18.	05	61° 16.5	21° 10'	9.9	5.55
	19	° 30'	20° 48.5	6.4	3.78	(BT36)06		° 08'	° 11'	9.7	5.75
	20	° 21'	° 39'	9.3	3.66	(BT37)07		° 08'	20° 55.5	7.8	5.90
	21	° 15'	° 37'	6.9	3.78	(F28) 07.28		° 08'	° 55.5	7.86	5.84
		(Norrskär)				08		° 06.5	° 46'	7.9	5.93
	23	° 09.5	° 20'	10.1	4.29	(BT38)08.35		° 06'	° 38.5	7.5	5.93
17.	00	° 03'	° 03'	8.2	5.41	09		° 05'	° 31.5	6.7	5.93
	01	62° 56'	19° 46'	9.8	5.14	(BT39)09.50		° 02'	° 16'	5.2	5.99
	02	° 50'	° 29'	9.6	5.41	(F29) 10.35		° 02'	° 16'	4.63	5.97
	03	° 43.5	° 12.5	8.4	5.35	11		° 03'	° 07'	4.3	5.97
	04	° 37'	18° 56'	8.8	5.61	(BT40)11.45		° 03.5	19° 56'	4.7	5.91
	05	° 30.5	° 40'	8.3	5.21	(BT41)13		° 05'	° 35'	5.1	5.95
	07	° 19'	° 05'	9.0	4.67	(F30) 13.30		° 05'	° 35'	4.66	5.95
	08	° 12.5	17° 50'	8.7	4.54	14		° 06.5	° 31.5	4.9	5.97
(BT25)08.45		° 09'	° 45'	9.6	4.70	(BT42)15.25		° 08.5	° 03.5	5.1	5.95
09		° 08'	° 43'	9.0	4.70	16		° 09'	18° 56.5	5.0	5.90
(BT26)09.40		° 06'	° 51'	8.9	4.83	(BT43)17		° 11'	° 37'	6.2	5.73
10		° 06'	° 51'	9.1	4.90	(F31) 17.40		° 11'	° 37'	6.58	5.66
(F26g)10.18		° 06'	° 51'	8.95	4.96	18		° 11'	° 31'	6.4	5.66
11		° 07.5	18° 02.5	9.2	4.70	(BT44)19		° 12'	° 14'	5.3	5.79
(BT27)11.25		° 07.5	° 09'	8.0	5.54	20		° 12'	17° 55.5	7.0	5.63
12		° 08'	° 15.5	7.3	5.72	20.30		° 12'	° 53'	8.2	5.50
(BT28)13.10		° 08'	° 34'	6.7	5.84	(BT45)21		° 12'	° 51'	8.5	5.32
(F26i)13.46		° 08'	° 34'	6.73	5.79	(F32) 21.06		° 12'	° 51'	8.47	5.37
14		° 07.5	° 35.5	6.8	5.84	22		° 10.5	18° 02'	8.1	5.50
(BT29)15		° 01'	° 54'	6.2	5.91	23		° 08'	° 21'	7.0	5.68
16		61° 57'	19° 03'	6.1	5.91	19.	00	° 06'	° 40'	7.2	-
(BT30)16.20		° 55'	° 06'	6.3	5.91	01		60° 55'	° 46'	7.1	5.66
(F26k)16.50		° 55'	° 06'	6.20	5.90	02		° 45'	° 49'	7.1	-
18		° 51.5	° 28.5	5.6	5.95	03		° 35.5	° 54'	6.3	5.63
(BT31)18.25		° 50.5	° 35.5	5.1	5.99	(BT46)04		° 33'	° 55'	6.4	5.57
20		° 50'	20° 03'	4.5	6.00	(F33) 04.52		° 33'	° 55'	6.40	5.54
(BT32)20.15		° 50'	° 06'	4.8	6.06	07		° 34'	19° 12.5	6.2	5.63
21		° 50'	° 06'	4.7	6.00			(Storbröten)			
(F26m)21.06		° 50'	° 06'	4.47	5.93	10		° 18'	° 08'	4.9	5.70
22		° 50'	° 23'	5.7	5.99	11		° 08'	° 21'	6.5	5.73
(BT33)22.40		° 49.5	° 30.5	7.4	5.95	12		° 03.5	° 40'	7.3	6.00
23		° 49.5	° 37.5	7.7	5.93			(Marlehamn)			
18.	00	° 43.5	53.5	7.6	5.90	22.	06.10	"	"	11.1	6.20
(BT34)00.20		° 43'	21° 00'	8.3	5.91	07.		59° 58.5	° 46'	8.7	5.70
(F26o)01		° 43'	° 00'	8.18	5.88	11.05		° 41'	° 00'	13.5	4.51
01.35		° 40'	° 04.5	9.4	5.70	12		° 35.5	18° 45.5	14.8	2.94
03		° 31.5	° 08'	9.6	5.57			(Stockholm)			
04		° 23'	° 08.5	9.8	5.55	24.	00	° 22'	° 22'	13.4	1.20

Temperatures given with two decimals correspond to depth stations.

## Records of surface temperature and salinity

Year: 1958 Month: June						Year: 1958 Month: June					
Date	Time	N	E	t°	S‰ <sub>∞</sub>	Date	Time	N	E	t°	S‰ <sub>∞</sub>
24.	01.05	59° 25.5	18° 29.5	12.8	2.34	26.	09	59° 47	19° 46	13.0	5.90
	06	58° 52.5	19° 35	11.5	6.46			(Märjehamn)			
	07	° 52.5	° 35	11.7	6.55		19	°	°	13.8	6.20
(BT47) 08		° 52.5	° 35	11.7	6.55		20	° 58.5	20° 24	14.7	6.13
(SF1) 08.43		° 52.5	° 35	11.49	6.53		21	60° 02	° 21	13.2	6.09
13		° 52.5	° 35	12.5	6.42		22	° 07	° 33	13.0	6.09
(BT48) 16.45		° 52.5	° 35	12.4	6.55		23	° 04.5	° 51	12.7	6.22
(SF2) 17.30		° 52.5	° 35	12.18	6.53	28.	00	° 05.5	21° 11.5	13.8	6.40
19.30		° 52.5	° 35	12.3	6.55		01	° 10.5	° 27	14.8	6.24
25.	6.30	° 52.5	° 35	11.9	6.17		03	° 18	22° 02	15.4	6.00
(BT49) 12.08		° 54.5	° 31	10.8	6.24			(Turku - Åbo)			
(SF3) 12.45		° 54.5	° 31	12.85	6.24			°	°		
(BT50) 14.13		° 50.5	° 39	12.6	6.49			°	°		
(SF4) 14.53		° 50.5	° 39	12.58	6.44			°	°		
16.19		° 52.5	° 35	14.1	6.58			°	°		
16.55		° 52.5	° 35	13.6	6.19			°	°		
17.22		° 52.5	° 35	13.7	6.26			°	°		
17.38		° 52.5	° 35	14.1	6.38			°	°		
18		° 52.5	° 35	13.9	6.33			°	°		
18.25		° 52.5	° 35	14.0	6.24			°	°		
19		° 52.5	° 35	13.7	6.26			°	°		
19.16		° 52.5	° 35	14.4	6.67			°	°		
19.40		° 52.5	° 35	14.2	6.53			°	°		
19.56		° 52.5	° 35	13.4	6.28			°	°		
20.07		° 52.5	° 35	14.2	6.40			°	°		
26.	05.46	° 52.5	° 35	13.0	6.17			°	°		
(BT51) 08.38		° 50.5	° 39	14.6	6.40			°	°		
(BT53) 10.36		° 52.5	° 31	14.8	6.38			°	°		
(BT54) 13.03		° 52.5	° 39	16.7	6.58			°	°		
(BT55) 15.56		° 52.5	° 35	13.6	6.28			°	°		
(SF5) 16.25		° 52.5	° 35	12.99	6.22			°	°		
16.36		° 52.5	° 35	15.7	6.19			°	°		
17		° 52.5	° 35	15.6	6.28			°	°		
17.38		° 52.5	° 35	14.9	6.28			°	°		
18.52	59° 01	°	° 22	15.5	6.29			°	°		
(BT56) 20.23		° 06.5	° 18	13.2	6.35			°	°		
27.								°	°		
(BT57) 00.35		° 20	° 36	14.2	6.37			°	°		
02.20		° 15.5	° 44	12.1	6.02			°	°		
(BT58) 04.08		° 12	20° 00	12.7	6.74			°	°		
(BT59) 06.10		° 23	° 13.5	12.4	6.46			°	°		
06.30		° 26.5	° 09.5	12.8	6.37			°	°		
07		° 30	° 05	12.5	6.13			°	°		
08		° 38	19° 56	12.4	6.06			°	°		

Temperatures given with two decimals correspond to depth stations.

## Records of surface temperature and salinity

Year: 1958 Month: August						Year: 1958 Month: August					
Date	Time	N	E	t°	S‰	Date	Time	N	E	t°	S‰
18.	08.30	(Hälsinki - Helsingfors)				19.	15	58°31'	20°14'	15.5	7.16
		°00'	°00'	16.4	5.32	(BT79&80)		°27'	°09'	15.7	6.69
	09	60°06.5	24°58.5	16.2	5.55	16		°27'	°09'	15.64	6.62
	10.03	°00.5	25°07'	16.1	5.54	(F79) 16.43		°25.5	°07.5	15.4	6.62
(BT60&61)						17		°18'	°04'	-	6.94
	11.02	59°58.5	°30'	16.2	5.54	(BT81&82)		°09'	19°59'	15.6	6.69
(F48A) 12.06		°58.5	°30'	16.23	5.63	17.50		°09'			
(BT62) 13.25		°55.5	°10'	16.5	5.57	19		°09'			
(BT63) 14		°52.5	24°49.5	16.2	5.79	(BT83&84)		°09'	°59'	15.5	6.65
(F52A) 15.18		°52.5	°49.5	16.21	5.68	19.05		°09'	°59'	15.9	6.87
16		°50.5	°40'	16.2	5.59	19.55	58°00'	°59'			
(BT64) 17		°46.5	°25.5	16.2	5.84	(BT85&86)		°00'	°59'	15.7	6.83
(F56a) 17.40		°46.5	°25.5	16.22	5.81	20.09		°00'	°59'	15.7	6.83
18		°46'	°15'	16.5	6.11	21		°00'	°59'	15.77	6.82
(BT65) 18.20		°45'	°02'	16.5	6.40	(F80) 21.25		°00'	°51'	15.1	6.65
19		°44.5	23°58.5	16.2	-	22	57°53'	°51'			
(BT66&67)		°44'	°38.5	16.2	6.20	(BT87&88)		°47'	°55'	15.6	6.56
20.04		°44'	°38.5	16.06	6.24	22.50		°34'	°56'	15.6	7.11
(F57a) 20.25		°43'	28°37'	16.2	6.24	20. (BT89&90)		°27'	°55.5	15.4	7.02
20.35		°42.5	23°35.5	16.2	6.40	01.35		°22'	°57'	15.3	7.41
21		°41'	°20'	16.2	6.44	02		°21'	°57'	15.35	7.34
(BT68) 21.45		°38'	°01'	15.6	6.38	(BT91&92)		°21'	°57'	15.2	7.41
(BT69) 23		°38'	°01'	15.55	6.33	02.25		°21'	°57'	15.4	7.45
(F59A) 23.30		°34'	22°37'	15.2	6.42	(F81) 03.37		°12'	°48'	15.4	7.45
19.		°32'	°22'	15.0	6.46	05		°08'	°44'	15.5	7.36
(BT70) 01		°30'	°13'	15.0	6.53	(BT93&94)		°56°56'	°30'	15.5	7.38
02		°29.5	°07.5	14.9	6.44	05.34		°52.5	°26'	15.3	7.29
(BT71) 02.38	3	°27'	21°49'	14.8	6.47	(BT95&96)		°43'	°17'	15.5	7.27
03		°27'	°49'	14.8	6.51	07.22		°43'	°17'	15.53	7.25
(BT72) 04.35		°27'	°49'	14.73	6.49	08		°37'	°09'	15.5	7.41
(F72A) 04.44		°25'	°55.5	14.8	6.51	(BT97&98)		°36'	°07'	15.4	7.38
05		°21.5	°42'	14.9	6.65	09.05		°31'	°00'	16.1	7.05
06		°18'	°34'	14.9	6.74	(BT101-102)		°28.5	18°56.5	16.0	7.05
(BT73) 06.35		°10'	°19'	15.2	6.74	12.23		°27'	°56'	16.1	7.09
(BT74) 08		°02'	°04'	15.4	7.12	13		°17.5	°52'	15.9	7.16
09.13		°02'	°04'	15.3	7.14	14		°16'	°52'	15.9	7.20
(BT75) 09.19		°02'	°04'	15.35	7.11	(BT103&104)					
(F74) 10.27		58°59.5	20°59'	15.6	6.94	14.23					
11		°53'	°50'	15.6	7.09						
(BT76) 11.50		°44'	°36'	15.4	7.20						
(BT77) 13		°38'	°25.5	15.6	7.21						
14		°36'	°22'	15.6	7.23						
(BT78) 14.25											

Temperatures given with two decimals correspond to depth stations.

Year:	Month:	Date	Time	N	E	°	50°
1958	August	20.					
		(U111) 14.56	56°16'	18°52'	15.92	7.16	
		(BT1058106)					
		16	06°06'	04.3	15.9	7.21	
		(BT1078108)					
		17	55°59'	03.7	16.0	7.38	
		(BT1078108)					
		17.28	56°34'	15.9	7.43		
		(BT1098110)					
		18.50	06°26'	16.0	7.38		
		(U121) 19.37	06°26'	15.88	7.30		
		19.55	04°16'	15.8	7.43		
		(BT111204.9	03°06'	16.2	7.57		
		21.50	02°22.17	17.49.5	7.56		
		(BT12222.22	03°05'	16.1	7.45		
		(U131) 23	30.5	16.09	7.39		
		21.00	25°30'	15.8	7.36		
		(BT113300.04	25°30'	15.7	7.32		
		01	20°18'	15.9	7.36		
		(BT1148115)					
		01.25	19°15'	15.8	7.39		
		02	16°07'	15.8	7.41		
		(BT116202.40	03°00'	15.9	7.56		
		(U141) 03.09	13°00'	16.03	7.47		
		04	14°16.15	16.1	7.52		
		(BT117704.14	14°42'	16.2	7.52		
		05	14°29'	15.8	7.52		
		(BT118705.25	15°24'	15.5	7.48		
		06	15°16'	15.3	7.39		
		(BT1198120)					
		06.35	16°06'	15.3	7.39		
		(U151) 07.10	16°06'	15.29	7.32		
		(BT121708.20	17°15°49'	15.5	7.41		
		(BT122709.28	18°32'	15.4	7.41		
		(BT1238124)					
		10.55	18°15'	15.4	7.41		
		(U161) 11.33	18°15'	15.16	7.34		
		12	18°08'	15.3	7.45		
		(BT125712.36	18°58'	15.7	7.52		
		13	18°53'	15.7	7.52		
		(BT126713.20	19°46'	15.4	7.68		
		14	16°38.5	15.8	7.65		
		(BT127714.30	13°32'	15.8	7.67		
		15	13°32'	15.8	7.67		
		(U171) 15.01	13°32'	15.77	7.57		
		20.					
21.		16	16°06'	04.3	15.9	7.21	
		(BT128708.15	13°32'	15.9	7.21		
		16.8	16.8	15.9	7.21		
		7.68	16.8	15.9	7.21		
		7.70	15.9	7.21	15.9	7.21	
		7.68	15.6	7.21	15.6	7.68	
		7.63	16.1	7.21	16.1	7.63	
		7.79	01.49	7.79	01.49	7.79	
		7.72	01.49	7.72	01.49	7.72	
		7.79	29.14.9	7.79	29.14.9	7.79	
		7.72	29.14.9	7.72	29.14.9	7.72	
		7.79	23.14.9	7.79	23.14.9	7.79	
		7.74	18.5	7.74	18.5	7.74	
		7.76	12.5	7.76	12.5	7.76	
		7.72	09.15.1	7.72	09.15.1	7.72	
		7.70	09.14.83	7.70	09.14.83	7.70	
		02	16°07'	15.8	7.41		
		(BT116202.40	03°00'	15.9	7.56		
		(U141) 03.09	13°00'	16.03	7.47		
		04	14°16.15	16.1	7.52		

## Records of surface temperature and salinity

Year: 1958. Month: August						Year: 1958 Month: August								
Date	Time	N	E	t°	S‰	Date	Time	N	E	t°	S‰			
24.		0	0			27.		0	0					
(BT156) 14.35	55	05.5	13	013.5	14.8	7.68	(BT185) 18.50	54	048.5	13	23.5	15.3	7.68	
(BT157) 15.03		003		015.5	14.9	7.67	("B") 19.08		048.5	0	23.5	15.20	7.65	
(BT158) 15.25		000		017	14.9	7.72	(BT186) 19.45		045.5	0	25	15.2	7.79	
(BT160) 16.28	54	054		020	14.7	7.70	("A") 19.55		045.5	0	25	14.91	7.74	
(BT161) 16.55		051.5		022	14.7	7.76	(BT186) 22.35		050	12	55	15.1	7.83	
(BT162) 17.13		048.5		023.5	14.9	7.79	(BT187) 22.50		051		057	15.3	7.81	
(BT163) 17.34		045.5		025	15.0	7.79	(BT188) 23.10		052		059.5	14.9	7.81	
(BT164) 18		048.5		023.5	14.8	7.79	(BT189) 23.27		053	13	02	15.0	7.77	
(BT165) 18.32		051.5		022	14.8	7.76	28.		0	0				
(BT166) 18.55		054		020	14.9	7.70	(BT190) 00.10		055.5	0	09	15.1	7.68	
(BT167) 19.20		057		018.5	14.9	7.74	(BT191) 00.55		057		018.5	15.2	7.65	
(BT168) 19.50	55	000		017	14.8	7.72	(BT192) 01.40		058		029	15.3	7.67	
(BT169) 20.15		003		015.5	14.7	7.70	02		058.5		032	-	7.65	
(BT170) 20.45		005.5		013.5	15.2	7.65	(BT193) 02.26	55	00		037	15.3	7.65	
(BT171) 21.10		008.5		012.5	15.2	7.65	(BT194) 03.06		002		045.5	15.2	7.68	
(BT172) 21.40		011.5		011.5	15.0	7.67	(BT195) 03.49		003.5		053	15.3	7.72	
(BT173) 22		014.5		010.5	14.9	7.67	(BT196) 04.26		005.5	14	01	15.4	7.68	
(BT174) 22.25		018.5		009	14.6	7.70	(BT197) 05.13		007.5		009	15.5	7.72	
(Anchor Station)							(BT198) 06.03		009.5		016.5	15.6	7.67	
25.	05	55	035.5	12	042.5	15.3	9.00	(BT199) 06.33		011.5		024	15.6	7.65
(Copenhagen)							(BT200) 07.12		013.5		032	15.7	7.72	
27.		0	0				(BT201) 08.15		019		046.5	15.8	7.67	
(BT175) 09.30	55	018.5	13	009	14.8	7.79	(BT202) 09.08		018		058	15.9	7.67	
("L") 09.45		018.5		009	14.80	7.74	(BT203) 10.35		018.5	15	15	15.5	7.45	
(BT176) 10.16		014.5		010.5	14.9	7.68	("16") 11.43		018.5		015	15.70	7.38	
("K") 10.34		014.5		010.5	14.94	7.63	12		020.5		021	15.9	7.45	
(BT177) 11.01		011.5		011.5	15.2	7.68	(BT204) 13.30		026		042	15.4	7.50	
("J") 11.19		011.5		011.5	15.14	7.61	14		028		049	15.5	7.50	
(BT178) 11.45		008.5		012.5	15.1	7.67	15		032.5	16	04.5	15.4	7.52	
("I") 11.48		008.5		012.5	15.0	7.63	(BT205) 15.15		033.5		008	15.4	7.48	
(BT179) 12.30		005.5		013.5	15.6	7.67	16		036.5		018.5	15.1	7.56	
("H") 12.46		005.5		013.5	15.56	7.59	(BT206) 17		041		036	15.3	7.39	
(BT180) 13.20		003		015.5	15.6	7.65	("Krey")		0		0			
("G") 13.40		003		015.5	15.41	7.59	17.51		041		036	15.35	7.32	
14		000		017	15.4	7.65	18		042.5		036	15.2	7.41	
(BT181) 14.03		000		017	15.2	7.65	18.55		052		041	14.2	7.38	
("F") 14.28		000		017	15.40	7.59	(BT207) 20	56	001		045	14.3	7.34	
(BT182) 14.58	54	057		018.5	15.7	7.65	21		007		051	14.8	7.07	
("E") 15.20		057		018.5	15.60	7.59	22		013.5	17	05	14.3	7.00	
(BT183) 15.49		054		020	15.9	7.67	(BT208) 22.20		016		011	14.2	7.03	
("D") 17.18		054		020	15.72	7.59	23		019		016.5	14.1	7.03	
(BT184) 18		051.5		022	15.6	7.72	29.	00	026		030	14.0	7.03	
("C") 18.18		051.5		022	15.34	7.76	(BT209) 00.35		029		036	14.3	7.05	

Temperatures given with two decimals correspond to depth stations.

## Records of surface temperature and salinity

Year: 1958 Month: August						Year: 1958 Month: August					
Date	Time	N	E	t°	S‰ <sub>∞</sub>	Date	Time	N	E	t°	S‰ <sub>∞</sub>
29.		°	°			30.	13	59°43'	23°19'	15.5	6.37
(F89)	01.06	56°29'	17°36'	14.38	7.03		14	°46'	°39'	15.4	5.82
	02	38	39	15.1	6.85		15	°49'	24°00'	15.6	6.56
(BT210)	03	°48.5	°43'	15.3	6.89		16	°52'	°21'	15.2	5.84
	03.55	°54.5	°45'	15.5	6.83		16.55	°55'	°42'	15.7	5.50
	05	57°04.5	°49'	15.7	6.80		18	°59'	°53'	14.8	5.35
(BT211)	05.30	°08'	°50'	15.6	6.78		19	60°10'	24°59'	15.6	5.21
	05.55	°14'	°45'	15.2	6.78			(Helsinki - Helsingfors)			
	07	°23.5	°54.5	15.1	6.78			°	°		
	07.30	°25.5	°56'	14.7	6.78			°	°		
(BT212)	08	°27.5	°57.5	14.2	6.78			°	°		
(F90B)	08.23	°27.5	°57.5	14.80	6.78			°	°		
	09	°35'	°59'	14.9	6.78			°	°		
	10	°45'	18°01'	15.0	6.76			°	°		
(BT213)	10.50	°51'	°03'	15.0	6.76			°	°		
	12	58°01'	°05.5	15.3	6.76			°	°		
	13	°11'	°08'	15.1	6.60			°	°		
(BT214)	13.30	°14'	°09'	15.3	6.64			°	°		
	14	°19'	°10'	15.0	6.49			°	°		
	15	°29'	°12.5	15.4	6.38			°	°		
	16	°38'	°13'	14.6	6.11			°	°		
	16.55	°37'	°15'	14.3	6.00			°	°		
(BT215&216)								°	°		
	18.30	°35.5	°12'	14.6	6.24			°	°		
(F78B)	19.08	°35.5	°12'	15.05	6.37			°	°		
	20	°41'	°25'	15.1	6.46			°	°		
	21	°46.5	°40'	14.7	6.17			°	°		
	22	°52'	°56'	14.2	6.09			°	°		
	23	°57'	19°11'	13.7	6.06			°	°		
30.	00	59°02.5	°26'	14.7	6.24			°	°		
(BT217)	00.40	°06'	°35'	14.7	6.24			°	°		
(F76A)	01.30	°06'	°35'	14.60	6.24			°	°		
	02	°07.5	°44'	14.8	6.33			°	°		
	03	°12.5	20°06'	14.9	6.76			°	°		
	03.55	°15'	°27'	14.9	6.69			°	°		
	05	°18'	°49'	15.3	6.74			°	°		
	05.55	°22'	21°10'	15.5	6.78			°	°		
	07	°25.5	°30'	14.8	6.64			°	°		
(BT218)	07.37	°27'	°40'	14.9	6.69			°	°		
(F72A)	08.12	°27'	°40'	14.85	6.65			°	°		
	09	°29.5	°56'	15.1	6.67			°	°		
	10	°34'	22°15'	14.2	6.60			°	°		
	11	°37'	°36'	14.9	6.29			°	°		
	12	°40'	°58'	15.3	6.11			°	°		

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